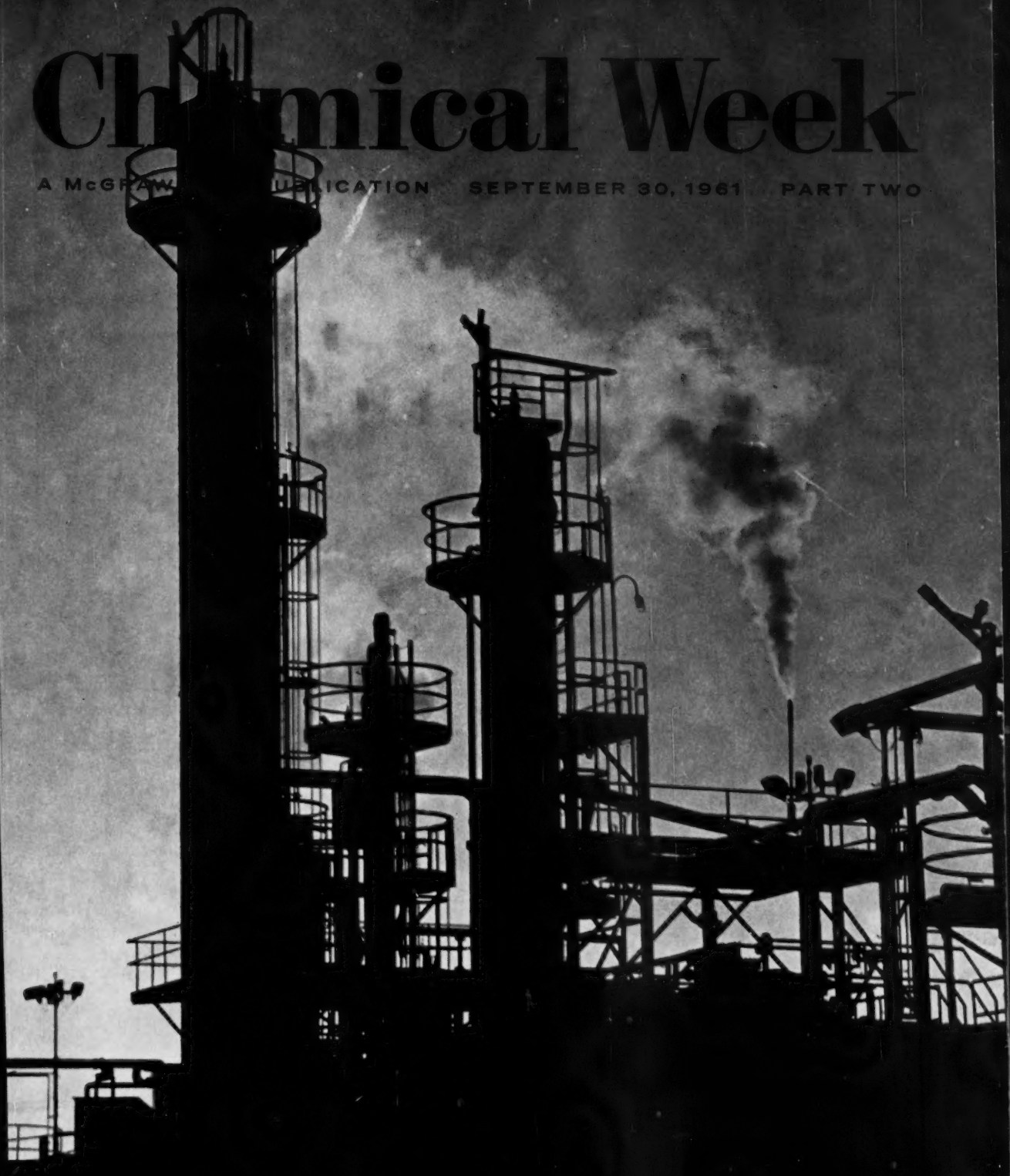
Chemical Week

A McGRAW-HILL PUBLICATION SEPTEMBER 30, 1961 PART TWO



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With the help of a Fairy Godmother, Cinderella had no difficulty finding a coach-and-four, footmen and even a husband. But today, with the help of Sinclair petrochemicals, manufacturers are creating products more wondrous than even Cinderella's Fairy Godmother could dream of.

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CHEMICAL WEEK BUYERS' GUIDE ISSUE

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Cover courtesy of Celanese Corporation of America

CHEMICAL WEEK BUYERS' GUIDE ISSUE

HOW TO USE THE BUYERS' GUIDE ISSUE

1. Listings are divided into two major sections: Chemicals and Equipment.
2. Each section has its own company directory of addresses and telephone numbers.
3. Title page of each section gives detailed explanation of contents and arrangement.
4. All product listings are arranged alphabetically, as explained on the title pages.
5. Under each product listing there are usually two alphabetical lists of companies. The first list, set in a single column of bold-face type, comprises advertisers; a black wedge indicates a catalog or full-page advertiser. The second alphabetical list, in light-face type and double columns, contains nonadvertisers.
6. For technical data, formulas and uses of numerous chemicals plus descriptions of complete company product lines, consult the Chemicals Catalog section and the advertisements beside specific chemical product listings. For comparable information on equipment, see the Equipment Catalog section.
7. Tradename information is contained in the Chemicals and Equipment Tradename sections. Tradenames are not used as product headings.
8. It is suggested that readers check prices with the company listed before placing orders or requesting samples.

EXPLANATION OF SYMBOLS

(P) Company classifies itself as a producer, in accordance with our editorial qualifications for chemical producer listings given on page 5. (This symbol is used only in the Chemicals section.)

▶ Company is a catalog or full-page advertiser, whose ad may be found by referring to the Advertisers' Index. (This symbol is used for all listings of the advertiser throughout the *Buyers' Guide Issue*.)

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Philadelphia 3 ..... William B. Hannum, Jr., J. E. B. Ladouceur, 6 Penn Center Plaza, LOcust 8-4330

Pittsburgh 22 ..... Duncan C. Stephens, 4 Gateway Center, EXpress 1-1314

Portland 4 ..... Scott B. Hubbard, Room 445, Pacific Bldg., CApitol 3-5118

San Francisco 4 ..... William C. Woolston, 255 California St., DOuglas 2-4600

St. Louis 8 ..... R. J. Claussen, 3615 Olive St., Continental Bldg., JEfferson 5-4867

ACETO

ACETO CHEMICAL CO., INC.

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Telephone INDEPENDENCE 1-4100

WEST COAST OFFICE: 6850 TUJUNGA AVE., NORTH HOLYWOOD, CAL. TEL. TRIANGLE 7-0077

THE ACETO CHEMICAL CO., INC., founded in 1945, acts as the exclusive U.S.A. sales agent for over a dozen chemical companies located throughout the world. Our products line is chosen from the production of these companies, as well as from the production of our facilities at Nitro, West Virginia.

Because of the very wide variety of equipment and process information available, we are in a unique position to supply a large number of commercial chemicals from stock, including some which are hard to find, or not regularly manufactured in the United States. Your inquiries on such "problem chemicals" are particularly welcome.

The list below shows but a few of the chemicals normally carried in stock or readily available. In addition, a complete Products Bulletin is available on request. This bulletin lists more than 400 commercial chemicals, many available nowhere else. In writing, ask for List No. CW62.

Acetal
Acetoacetanilide
Acetoacet 2,4-Xylidide
Acetonyl Acetone
N-Acetyl Ethanolamine
Acriflavin
Allyl Cyanide
Aluminum Formate
Amino Ethyl Sulfuric Acid
Cetyl Pyridinium Chloride
Cetyl Trimethyl Ammonium Bromide
Chloromaleic Anhydride
Chrysarobin
Dehydroacetic Acid and Salts
2,5 Dichloraniline
Dimethyl Acetal
2,4 Dinitroaniline
Ethyl Acetoacetate
Ethyl Oleate
Magnesium Glycinate
Methyl Acetoacetate
N-Methyl Acetamide
Nickel Hydroxide
Nitro Salicylic Acids & Esters
Pentanol-2
Sodium Amide
p-Thiocresol
Trichloracetic Anhydride
2,4-Xylidine
2,6-Xylidine

THE GREAT LAKES

National Marine offers you its 33 years experience in **year round** water transportation on the Great Lakes and connecting waterways.

THE EAST COAST

National Marine's tankers, tugs, barges provide low-cost water transportation on all waterways of the East Coast.



THE MISSISSIPPI SYSTEM

National Marine operates on the waterways of the Mississippi-Missouri-Illinois-Ohio system and their network of navigable tributaries.

THE GULF COAST

In the Gulf area National Marine operates towboats of 400 to 800 HP and their barges ranging from 1,000 to 3,000 tons.

FOR WATER TRANSPORTATION...USE NATIONAL MARINE

Your most sensitive chemicals can be carried on National Marine barges with maximum safety and minimum cost. Our specially designed tows feature double skin construction, baked Epoxy-resin linings on interior surfaces, nickel, stainless steel and resin-coated steam heating coils. Many other unusual features are incorporated in National Marine tows to insure protection for chemicals of all classifications. Such high-purity chemicals as mono-, di-, and tri-ethanolamines, which had never previously been transported by barge, now number among the bulk liquid products carried on National Marine tows. For safe, low-cost transportation of *all* your products... it pays to talk to National Marine. *Brochure on request.*

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New York, N. Y.; Hartford, Ill.; E. Chicago, Ind.; Houston, Tex.; New Orleans; Perth Amboy, N. J.

MEMBER OF THE AMERICAN WATERWAYS OPERATORS, INC.

CHEMICALS

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ARRANGEMENT AND NOMENCLATURE OF CHEMICAL LISTINGS

The Chemicals product section is arranged alphabetically by chemical name. Chemicals are alphabetized as if they were one word. Prefixs – o-, *m*-, *p*-, α-, β-, pri-, sec-, tert-, sym-, d-, l-, n- (normal), N- (Nitrogen), etc. – are ignored in alphabetizing. Exceptions: the prefixes iso-, di-, tri-, tetra-, poly-, cyclo- and bis, and the following seven groups of chemicals, wherein the names have been inverted: Acids, Alcohols (monohydric only), Ethers, Gums, Oils, Resins, Waxes.

Examples: Acid, Sulfuric Ether, Benzyl Oil, Linseed

Where the product headings are plural (e.g., Acids, Nucleic), the "s" has been ignored in alphabetizing. Thus "Acids, Fatty" precedes "Acid, *p*-Nitrotoluene-*o*-Sulfonic."

Only the monohydric alcohols and various general classifications (e.g., Alcohols, Fatty) will be found in the Alcohol section. The di-, tri- and polyhydric alcohols and certain cyclic alcohols have been alphabetized according to their more frequently used names, such as "Dimethyl Hexanediol."

Geneva nomenclature has been used in the *Chemical Week Buyers' Guide Issue*. Occasional exceptions occur where the chemical name consistently used by the industry differs from Geneva nomenclature.

EDITORIAL POLICY FOR CHEMICAL LISTINGS

Every product listed is for sale to industry. Products made solely for captive use are not included.

Producer listings—Companies are entitled to free and unlimited listings for: (a) all basic chemicals they manufacture; (2) all mixtures of chemicals and all formulations for which they manufacture the active ingredients; (c) all metals, minerals, ores, crude chemicals, etc., obtained by their own mining, quarrying or smelting operations. All producer listings as submitted by the company are followed by the symbol (P). Only U.S. producers are included. If a claim as a producer of a given product is questioned, it is hereby understood that we reserve the right to ask for a notarized statement that the firm produces this chemical in its own manufacturing facilities.

Nonproducer listings—Advertisers are entitled to be listed for products they do not produce but distribute; 40 listings are allowed for each one-sixth page of advertising space purchased by the company. Qualified for such listings are distributors, manufacturer's agents, importers, formulators, reprocessors and marketing or sales subsidiaries of chemical producers.

Producers of research chemicals and fine chemicals are found under "Fine Chemicals" and/or "Research Chemicals".

COMPANY DIRECTORY • CHEMICALS

A

AIC Chem Co, Div Amerace, 161 Hamburg Tpke, Butler, N J Terminal 8-5252
S L Abbot Co, 135 King St, San Francisco 7, Cal Sutter 1-8802
Los Angeles 58, Cal, 4255 District Blvd Ludlow 9-6211

►**ABBOTT LABS**, Sheridan Rd, N Chicago, Ill DE 6-3080

►**ACETO CHEM CO, INC**,
40-40 Lawrence St, Flushing 54, N Y IN 1-4100
N Hollywood, Cal, 6850 Tujunga Ave Triangle 7-0077
Acheson Colloids Co, 1700 Washington Ave, Port Huron, Mich Yukon 4-4171
Chicago, 10, Ill, 510 N Dearborn Mohawk 4-2032
Cincinnati 39, O, 3737 Epley Rd Jackson 2-6852
Cleveland 6, O, 12429 Cedar Rd Yellowstone 2-7151
Detroit 1, Mich, 415 Brainard Temple 3-9028
Los Angeles, Cal, 2736 E Walnut St Murray 1-7819
Phila 10, Pa, 1426 Land Title Bldg Locust 7-7113
Pittsburgh 18, Pa, 530 6 Ave Atlantic 1-9651
Rochester 20, N Y, 907 Monroe Ave Greenfield 3-2536
Roselle, N J, 111 E 1 Ave Chestnut 1-0952
Acme Resin Corp, 1400 S Circle Ave, Forest Pk, Ill Forest 6-0714
Amherst, Mass Alpine 3-7683
Los Angeles, Cal EM 3-8600
Acme Shellac Products Co, 107 Blanchard St, Newark 5, N J Market 3-7707
Acton Labs, 1180 Raymond Blvd, Newark 2, N J MI 2-4464
Adhesive Products Corp, 1660 Boone Ave, N Y 60 Kilpatrick 2-4600
A Adler & Son, 1039 N Front St, Phila 23, Pa. Nebraska 4-1924
Advance Solvents & Chem Div, Carlisle Chem Works, Inc, 500 Jersey Ave, New Brunswick, N J Charter 7-2203
Cincinnati 15, O, W St Valley 1-3660
Cleveland 20, O, 3625 Lee Rd Skyline 2-0888
N Y 16, 245 5 Ave Murray Hill 9-2620
Aero Chem Corp, 338 Wilson Ave, Newark, 5, N J Mitchell 2-2375
Aerosak, Inc, 5000 W 41 St, Chicago 50, Ill LA 3-5600
Kearny, N J, 548 Belleville Tpke Wyman 8-8500
Aerosol Techniques, Inc, 1730 State St, Bridgeport 5, Conn Edison 6-0176
NYC, 386 Park Ave S Murray Hill 9-6731
Aetna Chem Corp, Wallace St Extension, E Paterson, N J Swarthmore 6-0230
Afta Solvents Corp, 32 Morris Ave, Glen Cove, N Y OR 6-2900
Air Products, Inc, Allentown, Pa Express 5-3311
Collingdale, Pa, Oak Lane & B&O RR Ludlow 3-6900
Cleveland 14, O, 3241 Superior Ave Superior 1-2800
Creighton, Pa, P O Box 565 Academy 6-1511
Edgewood, Md, P O Box 972 Edgewood 1000
Emmaus, Pa, 733 W Broad St Woodring 5-2411
Forrest Park, Ill, 1421 S Circle Ave Esterbrook 8-8054
Granite City, Ill, 2204 Monroe St Glenview 2-8100
Hopewell, Va, P O Box 657 Glenview 8-2024
Iselin, N J, Oak Tree Rd Liberty 8-4600
Kansas City 8, Mo, 2550 Warwick Trafficwy Harrison 1-5495
LIC, N Y, 13-11 44 St Stillwell 4-6562
Minneapolis 40, Minn, PO Box 868 Federal 2-8921
Newark, N J, Wilson & Doremus Aves Mitchell 3-3592
Parkersburg, W Va, 520 Camden St Hudson 5-5587
South Bend, Ind, 912-914 S LaFayette Blvd Atlantic 8-4641

►**AIR REDUCTION CHEM & CARBIDE CO. DIV AIR REDUCTION CO, INC**, 150 E 42 St, N Y 17 Murray Hill 2-6700
Berkeley, Cal, 1231 2 St Landscape 6-3365
Charlotte, N C, 2300 South Blvd, P O Box 1147 Edison 3-1157
Chicago 23, Ill, 3100 S Holman Ave Bishop 7-6100
Cleveland, O, 1747 Chester Ave Main 1-3060
Houston 26, Tex, 3603 Cherry St Capitol 8-9353
(Los Angeles) City of Industry, Cal, 17800 E Valley Rd Yorktown 4-3451
Tampa, Fla, 209 S Franklin St 2-2034
Air Reduction Co, Inc, 150 E 42 St, N Y 17 Murray Hill 2-6700
See separate listings by divisions:
Air Reduction Chem & Carbide Co
Air Reduction Sales Co
Pure Carbonic Co
Air Reduction Sales Co, Div Air Reduction Co, Inc, 150 E 42 St, N Y C MU 2-6700
Alabama By-Products Corp, P O Box 354, Birmingham 2, Ala AL 2-5171
Alabama Metallurgical Corp, P O Box 38, Selma Ala Trinity 2-3491
Alco Oil & Chem Corp, Trenton Ave & William St, Phila 34, Pa Garfield 5-0621
Greenville, S C, 2805 E North St CH 4-3216
Providence 3, R I, 610 Industrial Bank Bldg Elmhurst 1-4559
Aldrich Chem Co, Inc, 2369 N 29 St, Milwaukee 10, Wis UP 1-9055
Alkydol Labs, Div Reichhold Chems, Inc, 3240 S 50 Ave, Cicero 50, Ill Bishop 2-1374
Allied Asphalt & Mineral Corp, Subs E T Trotter & Co, 49 Water Mill Lane, Great Neck, N Y Hunter 2-4100

►**ALLIED CHEM CORP**,
61 Bway, N Y 6 Hanover 2-7300

►**GENERAL CHEM DIV**, 40 Rector St, N Y 6 Hanover 2-7300
Albany 5, N Y, Railroad Ave Ivanhoe 2-4469
Atlanta 3, Ga, 1151 Chattahoochee Ave N W Sycamore 9-1411
Baltimore 30, Md, 2000 Race St Plaza 2-5030
Birmingham 4, Ala, 642 3 Ave N Fairfax 2-3601
(Boston) Medford 55, Mass, PO Box 68 Export 6-3568
Bridgeport, Conn, 850 Norman St Edison 4-9419
Buffalo 2, N Y, 1 W Genesee St TL 3-4178
Charlotte 1, N C, 818 Turkaseegee Rd
Chicago 54, Ill, Rm 430 Mdse Mart Michigan 2-1800
Cleveland, Miss, P O Drawer 952 Victor 3-4065
Cleveland 15, O, 3121 Euclid Ave Henderson 2-2020
Denver 9, Colo, 1271 W Bayaud Ave Spruce 7-2623
(Detroit) River Rouge 18, Mich, 800 Marion Ave Vinewood 2-1500
Houston 11, Tex, 323 S 67 St Walnut 8-3267
Jacksonville 3, Fla, P O Box 2057 Poplar 5-3568
Kalamazoo 13, Mich, P O Box 869, 511 E Paterson St Fireside 5-8676
Los Angeles 22, Cal, 6510 Bandini Blvd Overbrook 5-8510
Milwaukee 3, Wis, 205 S 16 St Mitchell 5-3516
Minneapolis 13, Minn, 2020 Bway St, N E Sterling 1-9581
Orlando, Fla, PO Box 5831 Garden 5-1519
Phila 7, Pa, 12 S 12 St Walnut 2-1234
Pittsburgh 22, Pa, 1 Gateway Center Express 1-1235
Providence 1, R I, PO Box 187 Dexter 1-2366
St Louis 5, Mo, 232 S Meramec Parkview 6-3404
San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840
Seattle 1, Wash, 1326 5 Ave Main 3-6916
Wenatchee, Wash, 3 Benton St Normandy 3-4751
Yakima, Wash, PO Box 1468 Glencourt 7-4712

►**NATIONAL ANILINE DIV**, 40 Rector St, N Y 6 Hanover 2-7300
Atlanta 18, Ga, 1151 Chattahoochee Ave, N W Sycamore 9-5332
Boston 14, Mass, 150 Causeway St Capitol 7-0490
Charlotte 1, N C, 201-203 W 1 St Edison 3-9221
Chicago 54, Ill, Mdse Mart Michigan 2-1800
Greensboro, N C, Jefferson Standard Bldg Broadway 2-2518
Los Angeles 22, Cal, 6510 Bandini Blvd Overbrook 5-8510
Phila 24, Pa, 171 E Hunting Park Ave Gladstone 7-4820
Portland 9, Ore, 730 W Burnside St Capital 3-1853
Providence 3, R I, 15 Westminster St Dexter 1-3008
San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840

►**NITROGEN DIV**, 42A Rector St, N Y 6 Hanover 2-7300
Atlanta 3, Ga, 127 Peachtree St N W Jackson 2-7805
Chicago, Ill, 430 Mdse Mart Bldg Michigan 2-1800
Cleveland 15, O, 3121 Euclid Ave Henderson 2-2020
Columbia 1, S C, 707 Carolina Life Bldg Alpine 3-6676
Dallas, Tex, 318 N Pearl St Riverside 8-4378
Indianapolis 20, Ind, 6060 College Ave Clifford 5-5443
Memphis 9, Tenn, 1929 B S 3 St Whitehall 8-2692
Raleigh, N C, 606 Capital Club Bldg Temple 3-2801
San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840

►**PLASTICS DIV**, 40 Rector St, N Y 6 Hanover 2-7300
Chicago 54, Ill, Mdse Mart Michigan 2-1800
Cleveland 15, O, 3121 Euclid Ave Henderson 2-2020
Lynwood, Cal, 2801 Lynwood Rd Nevada 6-2306

►**SOLVAY PROCESS DIV**, 61 Bway, N Y 6 Hanover 2-7300
Boston 10, Mass, 140 Federal St Hancock 6-2160
Charlotte 6, N C, 503 N College St Edison 3-0538
Chicago 54, Ill, Mdse Mart Michigan 2-1800
Cincinnati 2, O, 1014 Vine St Main 1-0440
Cleveland 14, O, 3121 Euclid Ave Henderson 2-2020
Detroit 17, Mich, 7501 W Jefferson Ave Vinewood 2-4400
Houston 2, Tex, 1121 Walker Ave Capitol 8-5219
New Orleans 12, La, 1100 Tulane Ave Jackson 5-1179
Phila 29, Pa, 4343 E River Dr Victor 8-7000
Pittsburgh 22, Pa, 1 Gateway Center Express 1-1235
St Louis 5, Mo, 232 S Meramec St Parkview 6-3404
San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840
Syracuse 9, N Y, Milton Ave Howard 8-1611
Allied Finishing Specialties Co, 2647 W Grand Ave, Chicago 12, Ill Armitage 6-2222
Allied Industrial Products Co, 225 W 34 St, N Y 1 Chickering 4-6468
N Miami Beach, Fla, 915 N E 180 St Wilson 7-5256
Alloy Metal Products, Inc, 2331 Rockingham Rd, Davenport, Iowa 326-2561
Alloys Unlimited Chems Inc, 42-73 Hunter St, LIC 1, N Y Empire 1-9540
(The) Almasol Corp, 316 N Sylvania, Fort Worth, Tex TE 4-2293
Alox Corp, PO Box 556, Niagara Falls, N Y BU 2-1295
Alpha-Molykote Corp, 65 Harvard Ave, Stamford, Conn Fireside 8-3724
Chicago, Ill, 2645 W Peterson Ave Long Beach 1-7458
Alpine Aromatics, Inc, Edison Industrial Ctr, Rte 1, Metuchen, N J LI 8-7202
Akron 5, O, 60 S Selberling St
Albertville, Ala, Old Gunterville Hwy
Athens, Tex, RFD 3
Boston 16, Mass, 661 Boylston St
Chicago 50, Ill, 2525 S 50 Ave
Greenville, S C, 1 Nottingham Rd
Los Angeles 21, Cal, 1248 Wholesale St
Trenton, N J, 2595 E State St
Aluminium Limited Sales, Inc, 630 5 Ave, N Y 20 Judson 6-5120
Atlanta 3, Ga, 11 Pryor St Murray 8-5585
Chicago 6, Ill, 20 N Wacker Dr State 2-1262
Cleveland 13, O, 611 Terminal Tower Bldg Main 1-5701
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-1115
Los Angeles 5, Cal, 2975 Wilshire Blvd Dunkirk 8-1275
St Louis 5, Mo, 10 S Brentwood Blvd
Aluminum Co of America, Chems Div, 1501 Alcoa Bldg, Pittsburgh 19, Pa Atlantic 1-4545
Atlanta 9, Ga, 1615 Peachtree St NE Trinity 5-7441
Boston 16, Mass, 20 Providence St, Park Square Hubbard 2-3650
(Buffalo) Tonawanda 5, N Y, 2427 Sheridan Rd AT 1900

Chicago 11, Ill, 520 N Michigan Ave Delaware 7-8181
Cincinnati 6, O, 2331 Victory Pkwy Capitol 1-7000
Cleveland 13, O, 1450 Terminal Tower Cherry 1-6880
Dallas 1, Tex, 1900 Fidelity Union Tower Riverside 1-6291
Detroit 2, Mich, 610 New Center Bldg Trinity 1-8100
Hartford 5, Conn, 1049 Asylum Ave Jackson 5-2191
Kansas City 5, Mo, 2300 Power & Light Bldg Victor 2-2822
Los Angeles 17, Cal, 1145 Wilshire Blvd Huntley 2-2680
Milwaukee 3, Wis, 505 Bockle Bldg, 2040 W Wisconsin Ave Division 2-7110
Minneapolis 24, Minn, 4010 W 65 St WA 7-7051
Newark 2, N J, 744 Broad St Market 4-8800
N Y 17, 230 Park Ave Murray Hill 6-8046
Phila 2, Pa, 1800 Two Penn Center Plaza LO 8-8100
St Louis 8, Mo, 10 Floor, Continental Bldg Franklin 1-6700
San Francisco 4, Cal, 2509 Equitable Life Bldg Yukon 6-6484
Seattle 1, Wash, 1411 4 Ave Bldg Main 4-4040
Toledo 2, O, 350 W Woodruff Ave Cherry 8-3511
Washington 6, D C, 1200 Ring Bldg District 7-9400

Alvares-Terner Corp, 2666 Woolworth Bldg, N Y 7 WO 4-1435

Amalgamated Chem Corp, Ontario & Rorer Sts, Phila 34, Pa Garfield 3-9200
Greenville, S C, 203 W Earl St Cedar 9-3425

Amber Labs, Inc, 3456 N Buffum St, Milwaukee 12, Wis Edgewood 2-3115

Amchem Products, Inc, Ambler, Pa Mitchell 6-1700
Detroit 21, Mich, 10225 W McNichols Rd University 4-8784
Niles, Cal, PO Box 698 Sycamore 7-1430
St Joseph, Mo, 235 W Lake Blvd, PO Box 390 Adams 8-0692

American Agar & Chem Co, Box 431, San Diego 12, Cal CY 6-6385

►**AMERICAN AGRICULTURAL CHEM CO,**
100 Church St, N Y 7 Barclay 7-1400
Alexandria, Va, 411 N Lee St Overlook 3-0135
Baltimore 24, Md, 2272 S Clinton St Broadway 6-8100
Bay City, Mich, P O Box 288 Twinbrook 2-3988
Buffalo 6, N Y, 129 Lewis St TL 4-7311
Cartaret, N J Kimball 1-5171
Charleston 17, S C, P O Box 834 Raymond 3-2726
Cincinnati 17, O, P O Box A, St Bernard Sta Avon 1-0836
Cleveland 35, O, Puritas Pk Sta Orchard 1-1990
Columbia, S C, P O Drawer 69 Swift 4-0188
Danville, Ill, P O Box 4 Hickory 6-0983
Detroit 31, Mich, P O Drawer 2458 Vinewood 2-0146
Fulton, Ill, P O Box 150 Fulton 2211
Greensboro, N C, P O Box 1139 Broadway 2-0173
Henderson, N C, P O Box 690 Geneva 8-4628
Humboldt, Iowa, P O Box 518 Humboldt 1580
Johnson City, Tenn, P O Box 1119 Walnut 6-2167
Johnson Creek, Wis, P O Box 65 699-3318
Knoxville, Tenn, P O Box 119 7-4444
Lima, O, P O Box 158 Michael 1-3551
London, Ky, P O Box 130 Volunteer 4-4196
Montgomery 2, Ala, P O Box 911 Amherst 2-0361
Nashville, Tenn, P O Box 118 Chapel 2-0559
National Stock Yards, Ill, Box 68 Bridge 1-4617
Norfolk 6, Va, P O Box 4568, Berkley Sta Kimball 5-4627
N Weymouth 91, Mass, 285 River St Edgewater 5-2640
Olathe, Kans, P O Box 14 Poplar 4-1805
Pensacola, Fla, Box 1671 Hemlock 2-5057
Phoenix, N Y, P O Box 27 Owens 5-2011
Pierce, Fla, P O Box 37 Harrison 5-1145
Saginaw, Mich, P O Box 1228 Pleasant 2-2139
Savannah, Ga, P O Box 567 Adams 3-6662
Seymour, Ind, P O Box 23 Jackson 2-1786
Sleepy Eye, Minn, P O Box 498 Swift 4-3531
Spartanburg, S C, P O Box 890 582-7767
Washington Court House, O, P O Drawer 72 2531

American Alcolac Corp, 3440 Fairfield Rd, Baltimore 26, Md EL 5-2600
Chicago 2, Ill, 6 N American Ave
Clark, N J, 1193 Raritan Rd

American Alkyd Industries of Cal, 3501 Giant Hwy, Richmond, Cal Beacon 2-0202
Carlstadt, N J, Broad & 14 Sts
Carpentersville, Ill, Cottage St

►**AMERICAN-BRITISH CHEM SUPPLIES, INC,**
180 Madison Ave, N Y 16 Murray Hill 6-0661

American Colloid Co, 5100-W Suffield Court, Skokie, Ill YO 6-5720

►**AMERICAN CYANAMID CO,**
30 Rockefeller Plaza, N Y 20 Circle 7-0100
Fine Chems Dept, Pearl River, N Y 5-5000
Chicago 18, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, O, 10340 Evandale Dr Princeton 1-5400
Ft Washington, Pa, 185 Commerce Dr Mitchell 6-7000
Kansas City 41, Mo, P O Box 1198 Emerson 3-3305
Los Angeles 22, Cal, 2300 S Eastern Ave Raymond 3-6411

►**INDUSTRIAL CHEMS DIV,** 30 Rockefeller Plaza, N Y 20 Circle 7-0100
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago 18, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, O, 10340 Evandale Dr Princeton 1-5400
Cleveland 14, O, 711 Leader Bldg, Superior & E 6 Sts Cherry 1-1933
Detroit 35, Mich, 15552 W McNichols Rd Broadway 2-1970
Ft Washington, Pa, 185 Commerce Dr Mitchell 6-7000
Houston 6, Tex, 3400 Montrose Blvd Jackson 6-4771
Kalamazoo 99, Mich, 2715 Miller Rd Fireside 5-0129
Los Angeles 22, Cal, 2300 S Eastern Ave Raymond 3-6411
Mobile 10, Ala, 161 St Michael St Hemlock 8-4646
N Y 18, 48 W 38 St Circle 7-0100
Oakland 12, Cal, 1440 Bway Highgate 4-5622
Portland 10, Ore, 3145 NW Yeon Ave Capitol 2-9687
St Louis 66, Mo, 5025 Pattison Ave Mohawk 4-5306
Tulsa 19, Okla, 101 Shell Bldg, 18 & Baltimore Luther 5-1594

Market Development Dept, 30 Rockefeller Plaza, N Y 20 Circle 7-0100

►**ORGANIC CHEMS DIV,** Bound Brook, N J Elliot 6-2000
Akron 8, O, 340 S Bway Jefferson 5-3301
Atlanta 2, Ga, 5180 Peachtree Industrial Blvd Glendale 7-0261
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cleveland 14, O, Superior & E 6 Sts Cherry 1-1933
Latrobe, Pa, P O Box 270 Keystone 7-5571
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
N Y 20, 30 Rockefeller Plaza Circle 7-0100
Oakland, Cal, 1440 Bway Highgate 4-5622
(Phila) Fort Washington, Pa, 185 Commerce Dr
Portland 10, Ore, 3145 NW Yeon Ave Capital 2-9687
Providence 3, R I, 40 Fountain St Dexter 1-0100
Washington 5, D C, 15 & N Y Ave Executive 3-1833

Pigments Div, 30 Rockefeller Plaza, N Y 20 Circle 7-0100
(Atlanta) Chamblee, Ga, 5180 Peachtree Industrial Blvd Glendale 7-0261
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Bound Brook, N J Elliot 6-2000
Charlotte, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, O, 10340 Evandale Dr Princeton 1-5400
Cleveland 14, O, Superior & E 6 Sts Cherry 1-1933
Dallas 22, Tex, 3709 Atwell St Fleetwood 7-1713
Detroit 35, Mich, 15552 W McNichols Rd Broadway 2-1970
Kansas City 30, Mo, 6100 E 60 St Emerson 3-3305
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
Minneapolis 26, Minn, 7630 Excelsior Blvd West 5-1721
New Orleans 21, La, 824 Dakin St Vernon 1-1301
Oakland, Cal, 1440 Bway Highgate 4-5622
(Phila) Fort Washington, Pa, 185 Commerce Dr Mitchell 6-7000
St Louis 66, Mo, 5025 Pattison Ave Mohawk 4-5306

Plastics & Resins Div, 30 Rockefeller Plaza, N Y 20 Circle 7-0100
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 15, O, 10340 Evandale Dr Princeton 1-5400
Cleveland 14, O, Rm 711, Leader Bldg, Superior and E 6 Sts Cherry 1-1933
Dallas 22, Tex, 3709 Atwell St Fleetwood 7-1711
Detroit 35, Mich, 15552 W McNichols Rd Broadway 2-1970
Fort Washington, Pa, 185 Commerce Dr Mitchell 6-7000
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
Minneapolis 26, Minn, 7630 Excelsior Rd West 5-1721
Oakland, Cal, 1440 Bway Highgate 4-5622
St Louis 3, Mo, 5025 Pattison Ave Mohawk 4-5306
Seattle 3, Wash, 4000 Aurora Ave Melrose 3-2061

American Felt Co, 6 Glenville Rd, Glenville, Conn Jefferson 1-8700
Boston 10, Mass, 211 Congress St Hancock 6-6158
Chicago 7, Ill, 847 W Jackson Blvd Canal 6-4222
Cleveland 14, O, 1845 E 9 St Main 1-0258
Detroit 7, Mich, 3000 E Jefferson Ave Loraine 7-7010
N Y 1, 350 5 Ave Chickering 4-8768
Phila 6, Pa, 1024 Lafayette Bldg Walnut 5-7899

American Firstoline Corp, 93-03 Sutphin Blvd, Jamaica 35, N Y Axtel 1-8200

American Gilsonite Co, Municipal Airport, PO Box 15, Salt Lake City, Utah Davis 8-0311

American Grease Stick Co, 2651 Hoyt St, Muskegon, Mich Pershing 3-2101

American Lecithin Co, Inc, 32-30 61 St, Woodside 77, N Y Astoria 4-4350

American Lithographic Varnish Co, Inc, 926 Harrison Ave, Kearny, N J Wyman 1-9354

American Maize-Products Co, 250 Park Ave, Dept TS, N Y 17 Yukon 6-7300
Atlanta 9, Ga, 1105 Spring St N W Trinity 5-8361
Buffalo 15, N Y, 3800 Harlem Rd
S Boston, Mass, 11 Elkins St Andrew 8-2077
Chicago, Ill, 2440 A Peterson Ave Rogers Park 1-5111
Denver, Colo, 1863 Wazee St Acoma 2-5178
Grand Rapids 6, Mich, 312 Woodmere SE Glendale 6-5173
Houston 24, Tex, 9211 Rangeley Dr Homestead 8-1806
Los Angeles 4, Cal, 1300 W 3 St Madison 8-4123
Narberth, Pa, 117 Forrest Ave Mohawk 4-7070
Pittsburgh 27, Pa, 201 McIlrath Bldg, 109 Dewalt Ave
St Louis, Mo, 10519 Wisteria Lane
San Francisco, Cal, 601 Montgomery St Garfield 1-0131
S Seattle 4, Wash, 1020 4 Ave
Wayzata, Minn, 146 Ridgeview Dr

American-Marietta Co, Adhesive, Resin & Chem Div, 3400 13 Ave S W, Seattle 4, Wash Main 3-3311
Newark, O, 42 S 3 St Fairfax 4-0861
Portland, Ore, PO Box 2629, St Johns Sta Avenue 6-4484
Richmond, Cal, 2502 Goodrick Ave Beacon 3-2952

American Mineral Spirits Co, Mountain Ave, Murray Hill, N J Crestview 3-0700
Atlanta, Ga, 1194 Allene Ave S W Plaza 8-7591
Baltimore, Md, 1500 Carbon Ave Elgin 5-7550
(Boston) Somerville, Mass, 60 Foley St Prospect 6-8100
Charlotte, N C, 2335 Thrift Rd FR 6-7481
Chicago, Ill, 230 N Michigan Ave Andover 3-3050
Columbus, O, 2144 Riverside Dr Hudson 6-7136
Detroit 26, Mich, 1115 Book Bldg Woodward 3-777
Kansas City 11, Mo, 115 E Armour Blvd Valentine 1-1913
Los Angeles, Cal, 8600 S Garfield Ave Spruce 3-3460
Memphis, Tenn, 608 Columbian Mutual Tower Jackson 7-1502
Nashville 5, Tenn, 2315 Clifton Ave Cypress 8-3324
Oakland, Cal, 401 High St Kellogg 3-2373
(Phila) Conshohocken, Pa, Colwells Lane TA 8-1010
Providence, R I, 370 Allens Ave Hopkins 1-1300
St Paul 7, Minn, 40 E Water St Capitol 2-7250

American Molding Powder Chem Corp, 703 Bedford Ave, Bklyn 6, N Y Main 5-7450

American Norit Co, Inc, 6301 Glidden Way, Jacksonville 8, Fla PO 4-6300

American Oil Co, 910 S Michigan Ave, Chicago, Ill HA 7-9200
Chicago 6, Ill, 20 N Wacker Dr Andover 3-2345
Des Moines 9, Iowa, Rm 100, Central Life Bldg Cherry 4-6211
Detroit 26, Mich, 321 W Lafayette St Woodward 2-7620
Indianapolis 6, Ind, 1201 E 38 St Walnut 4-4541
Kansas City 41, Mo, 114 E Armour Blvd Logan 1-4140
Milwaukee 16, Wis, 5310 Capitol Dr Hilltop 2-8910
Minneapolis 5, Minn, 2800 Wayzata Blvd Franklin 4-4312
St Louis 24, Mo, 8400 Maryland Ave Volunteer 3-7820

American Oil & Supply Co, 238 Wilson Ave, Newark 5, N J Market 2-0250
N Y C: Rector 2-6273

►**AMERICAN POTASH & CHEM CORP,**
3000 W 6 St, Los Angeles 54, Cal Dunkirk 2-8231
Atlanta 3, Ga, 3330 Peachtree Rd NE 231-3330
Chicago 45, Ill, 3557 W Peterson Ave Cornelius 7-0817
Columbus 21, O, 2025 Riverside Dr Hudson 6-9465
Dayton 2, O, 224 N Wilkinson St Baldwin 8-2402
N Y 16, 99 Park Ave Oxford 7-0544
Portland 1, Ore, 1320 S W Bway Capitol 6-2463
San Francisco 4, Cal, 235 Montgomery St Douglas 2-1300
Shreveport, La, 1600 Fairfield Ave 425-4488
Washington 5, D C District 7-1297
West Chicago, Ill, 258 Ann St Cornelia 7-0818
See also separate listings by division:
Lindsay Chem Div

American Products Mfg Co, Inc, 8127-33 Oleander St, New Orleans 18, La HU 2-1501

American Smelting & Refining Co, 120 Bway, N Y 5 Rector 2-9500
See also separate listing by subsidiary:
Enthone, Inc

Ames Labs, 200 Rock Lane, Milford, Conn VO 6-9840

Amoco Chems Corp, 130 E Randolph Dr, Chicago 1, Ill 467-6161
N Y 17, 555 5 Ave Oxford 7-6911

Ampion Corp, 4-88 47 Ave, LIC 1, N Y Stillwell 4-3374

Anderson Chem Div, Stauffer Chem Co, Weston, Mich Sand Creek: GE 6-2322
Chicago, Ill, Prudential Plaza Randolph 6-8954
N Y C, 380 Madison Ave Oxford 7-0600

Andor Labs, Inc, 6144 Rush-Honeoye Falls Rd, Rush, N Y Keystone 3-1120

An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1, Cal Kellogg 2-0221
H Reeve Angel & Co, Inc, 8 Bridewell Pl, Clifton, N J PR 3-5800
Anheuser-Busch, Inc, 721 Pestalozzi Ave, St Louis 18, Mo Prospect 3-3100
Chicago 7, Ill, 750 S Clinton St Harrison 7-8680
Columbus, Ga, 2319 Hamilton Rd Fairfax 7-5465
E Cambridge, Mass, 111 6 St University 4-5150
Kalamazoo, Mich, 1122 Royce Ave Fireside 4-0501
L I C, N Y, 4848 5 St Empire 1-9220
New Orleans, La, 314 Girod St MA 0414
Phila, Pa, Bourse Bldg Walnut 2-2786
San Francisco, Cal, 1485 Bayshore Blvd, Rm 362 Delaware 3-4757
Ansbacher-Siegle Corp, 94 Chestnut Ave, Rosebank, Staten Island, N Y YU 1-1600
Ansul Chem Co, 1 Stanton St, Marinette, Wis Redwood 5-7411
Chicago 17, Ill, 8933 Stony Island Ave Regent 1-0650
Cleveland 15, O, Euclid Ave & E 14 St Cherry 1-1388
Detroit 35, Mich, 16115 Myers Rd Diamond 1-6346
Houston 23, Tex, P O Box 18445 Walnut 3-9449
Kansas City, Mo, 3303 Gilham Rd, P O Box 4755 Jefferson 1616
Los Angeles 22, Cal, 6470 Corvette St Raymond 3-8931
N Y 6, 74 Trinity Pl, Rm 1103 Whitehall 4-1350
Paoli, Pa, 24 State Rd, PO Box 306 Niagara 4-4550
Antara Chems, Div General Aniline & Film Corp, 435 Hudson St, N Y 14 Watkins 4-0600
Charlotte 1, N C, 2459 Wilkinson Blvd Edison 3-4121
Chattanooga 7, Tenn, 4301 Rossville Blvd Madison 9-3282
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-7321
Melrose Park, Ill, 1950 N Hawthorne Ave Murray 1-3880
Phila 2, Pa, 42 S 15 St Locust 3-2838
Portland 10, Ore, 3322 NW 35 Ave Capitol 8-3365
Providence 3, R I, 85 Tockwotton St Gaspee 1-1585
S San Francisco 7, Cal, 206 Utah Ave Juneau 9-6500
Apache Powder Co, P O Box 518, Benson, Ariz Juniper 6-2217
El Paso, Tex, Hotel Paso del Norte Keystone 3-3023
Phoenix, Ariz, Rm 1, Luhrs Central Bldg Alpine 8-0243
Applied Plastics Div, Hexcel Products, Inc, 130 Penn St, El Segundo, Cal Spring 2-2207
Applied Science Labs, Inc, 144 N Barnard St, State College, Pa Adams 8-2406
Aquafil Co, Div Kohl Enterprises, Inc, 321 State St, Los Altos, Cal Whitecliff 8-6543
Arabol Mfg Co, 110 E 42 St, N Y 17 Oxford 7-1150
Boston 10, Mass, 12 Commercial Wharf Capitol 7-7178
(Chicago) Cicero 50, Ill, 1829 S 54 Ave Bishop 2-1254
Cincinnati 20, O, 725 Riddle Rd Kirby 1-8467
Delaware, O, 400 Park Ave 363-1101
Denver 16, Colo, 4401 E 46 Ave Fremont 7-4471
Itasca, Tex, 125 W Spurgeon St Murray 7-2581
Los Angeles 22, Cal, 6455 E Canning St Raymond 3-6571
Marietta, Ga, 1227 Industrial Park Dr Hemlock 5-3248
McAllen, Tex, 101 N 20 St Murray 6-6812
Phila 47, Pa, 15 Lombard St Lombard 3-5505
Portland, Ore, 10915 N Lombard Belmont 2-6640
St Louis 4, Mo, 2500 Texas Ave Prospect 3-2875
San Francisco 3, Cal, 1950 16 St Underhill1-0123
Aranahoe Chems, Inc, 2855 Walnut St Boulder, Col Hillcrest 2-1926
Archer-Daniels-Midland Co, 700 Investors Bldg, P O Box 532, Minneapolis 2, Minn Federal 3-2112
Atlanta 10, Ga, 650 S W Murphy St Plaza 5-5741
Buffalo 2, N Y, 202 Corn Exchange Bldg TL 2-1014
Cambridge 42, Mass, 263 5 St University 4-5616
Chicago 45, Ill, 3300 W Peterson Ave Juniper 3-2800
Cincinnati 2, O, 1014 Federal Reserve Bank Bldg Garfield 1-1638
Cleveland 2, O, 2191 W 110 St Woodbine 1-4690
(Denver) Boulder, Colo, 640 S 45 St Hillcrest 3-2902
Detroit 35, Mich, 18333 James Couzens Hway University 4-6792
Houston 10, Tex, 2525 Cline St Capital 8-9373
Kansas City 41, Mo, 356 Bd of Trade Bldg Harrison 1-7448
Los Angeles 22, Cal, 6608 E 26 St Raymond 3-4711
Milwaukee, Wis, 442 N 63 St Spring 1-4570
N Y 7, 225 Bway Digby 9-0750
(St Louis) Valley Park, Mo, 3 & St Louis Woodland 1-6500
(San Francisco) Burlingame, Cal, 1299 Bayshore Blvd Diamond 2-5716
Federal Foundry Div, 2191 W 110 St, Cleveland 2, O
Atlanta 10, Ga, 650 Murphy St SW Plaza 5-5741
Buffalo 2, N Y, 202 Corn Exchange Bldg Cleveland 1014
Cambridge 42, Mass, 263 5 St University 4-5616
Chicago 30, Ill, 4761 W Touhy Ave Irving 8-6590
Cincinnati 2, O, 1014 Fed Reserve Bank Bldg Garfield 1-1638
Houston 10, Tex, 2525 Cline St Capital 8-9373
Kansas City 41, Mo, Centennial Bldg, Rm 850 Harrison 1-7448
Los Angeles 22, Cal, 6608 E 26 ST Raymond 3-4711
N Y 7, 225 Bway Digby 9-0750
Phila 18, Pa, 18 Hilltop Rd Chestnut Hill 7-7000
Pittsburgh 18, Pa, 300 Mt Lebanon Blvd Locust 3-2520
San Bruno, Cal, 1015 San Mateo Ave Juno 3-9170
Valley Park, Mo, 3 & St Louis Woodlawn 1-6500
Wyandotte, Mich, 4501 Biddle (PO Box 72) Avenue 4-5252
Arco Co, 7301 Bessemer Ave, Cleveland, O Michigan 1-1170
Chicago, Ill, 4724 S Christiana Ave Virginia 7-7955
Los Angeles, Cal, 4754 E 49 St LU 3-1958
Union, N J, 33 Koehl Ave Murdock 8-7374
Ardmore Chem Co, Inc, 840 Valley Brook Ave, Lyndhurst, N J Webster 3-3200
Arenol Chem Corp, 40-33 23 St, LIC 1, N Y Stillwell 4-0948
M Argueso & Co, Inc, 441 Waverly Ave, Mamaroneck, N Y Owens 8-8500
Laredo, Tex, 2020 Hidalgo St 3-6111
Argus Chem Corp, 633 Court St, Bklyn 31, N Y Ulster 8-5678
Cleveland 15, O, 2063 E 4 St Superior 1-3288
Arles Labs, Inc, 225 Greenwich Ave, Stamford, Conn Davis 5-4124
Arizona Chem Co, 30 Rockefeller Plaza, N Y 20 Circle 7-0100
Arkansas Louisiana Chem Corp, Slattery Bldg, Shreveport, La 422-2141
Armour Alliance Industries, 16123 Armour St N E, Alliance, O TA 1-3510
Chicago 9, Ill, 1355 W 31 St Lafayette 3-7000
Armour Industrial Chem Co, Div Armour & Co, 110 N Wacker Dr, Chicago 6, Ill Andover 3-5200
Ammonia Sales
Brockton, Mass, 147 School St Juniper 3-4848
Charlotte, N C, 2000 Thrift Rd Edison 4-4703
Cleveland, O, 3704 Orange Ave Endicott 1-1160
Columbus, Ga, P O Box 631, Brennan Rd Murdock 9-9771
Dallas 12, Tex, 2043 Singleton Blvd Federal 7-3735
Detroit, Mich, 1825 E Division St Temple 1-6556
East Liverpool, O, 710 Dresden Ave Fulton 5-9000
Kansas City 18, Kans, 18 Central Ave Fairfax 1-4450
Lodi, N J, Meta Lane Gregory 2-7900
NYC: Longacre 4-5955
Los Angeles 22, Cal, 1916 S Tubeway Ave Raymond 3-8533
Memphis 6, Tenn, 1157 Terminal St Whitehall 8-0433
Minneapolis 23, Minn, 7011 Knox Ave Union 9-1901
Oakland, Cal, 1555 Middle Harbor Rd Glencourt 1-1532
Osceola, Iowa, P O Box 88, Ayres St FI 2-2719
Phila, Pa, 917 Noble St Poplar 5-0100
Sandusky, O, P O Box 509 Main 5-7721
St Louis 14, Mo, 1944 Mashie Drive Harrison 8-1974
Fatty Acid Sales
Charlotte, N C, 2000 Thrift Rd Edison 4-4703
Cleveland 2, O, 3540 Ridge Rd Melrose 1-8484
Lodi, N J, Meta Lane Gregory 2-7900
NYC: Longacre 4-5955
Industrial Chem Sales
Charlotte, N C, 2000 Thrift Rd Edison 4-4703
Cleveland 2, O, 3540 Ridge Rd Melrose 1-8484
Lodi, N J, Meta Lane Gregory 2-7900
NYC: Longacre 4-5955
Phila, Pa, 917 Noble St Poplar 5-3001
Portland 14, Ore, 49 S E Clay St Belmont 2-0921
St Louis 8, Mo, 4378 Lindell Blvd Jefferson 5-7750
St Petersburg 5, Fla, 3800 Kingfish Dr Orange 1-6313
Petroleum Industry Sales
Dallas 6, Tex, 5738 N Central Expwy Taylor 3-2804
Denver 2, Colo, Suite 200, 1515 Cleveland Pl Alpine 5-0701
Houston, Tex, 2323 Buffalo Dr Jackson 9-6215
Lodi, N J, Meta Lane Gregory 2-7900
NYC: Longacre 4-5955
Tulsa, Okla, 1 N Detroit St Luther 2-1800
Armour Pharmaceutical Co, Biochem Div, P O Box 511, Kankakee, Ill WE 2-6771
Chicago 1, Ill, Prudential Plaza Michigan 2-1611
Jersey City, N J, 140 Bay St Oldfield 3-5080
San Carlos, Cal, 916 American St Lytell 1-4457
Armstrong Paint & Varnish Works, Inc, 1330 S Kilbourn Ave, Chicago 23, Ill Rockwell 2-7000
Arnold, Hoffman & Co, Inc, 55 Canal St, Market Sq, Providence, R I Gaspee 1-2935
Atlanta, Ga, 3219 Cains Hill Pl, N W Cherokee 2193
Charlotte, N C, 2130 N Tryon St Franklin 5-7336
Arol Chem Products Co, 385-395 Wayne St, Jersey City 2, N J Henderson 2-4710
Asbury Graphite Mills, Inc, 10 Main St, Asbury, N J Hampton 3011
Detroit 9, Mich, 1646 Green Ave Vinewood 1-1615
Ash Grove Lime & Portland Cement Co, 1105 Fairfax Bldg, Kansas City 5, Mo Victor 2-4455
Asheville-Schoonmaker Mica Co, 920 Jefferson Ave, Newport News, Va Chestnut 4-7311
Chicago 39, Ill, 1608 N Meade Ave Berkshire 7-7373
N Y 13, 271 Church St Worth 6-4550
ATCO Chem-Industrial Products Inc, Organic Chems Div, 93 Main St S, Franklin, N J Vandyke 7-9780
Atlantic Chem Corp, 153 Prospect St, Passaic, N J Gregory 3-6012
Atlantic Powdered Metals, Inc, 38 Park Row, N Y 38 Cortlandt 7-7396
Atlantic Refining Co, 260 S Broad St, Phila, Pa Pennypacker 5-2345
Atlas Mineral Products Co, 171 Weber St, Mertztown, Pa Topton: Overbrook 2-7171
Berkeley 10, Cal, 605 Addison St Thornwall 3-6826
Birmingham 9, Ala, 2815 18 St, S Tremont 9-5802
Chicago, Ill, 333 N Michigan Ave Franklin 2-7100
Cincinnati 2, O, 2009-10 Carew Tower Main 1-7171
Detroit 26, Mich, 424 Book Bldg Woodward 3-3839
Denver, Colo, 4425 Race St Alpine 5-4425
Houston 27, Tex, 3302 Mercer St Jackson 6-1249
Minneapolis 2, Minn, 990 Northwestern Bank Bldg Federal 3-0600
Niagara Falls, N Y, 4419 Lewiston Rd Butler 5-5703
Phila 10, Pa, 1436 Land Title Bldg Locust 3-0298
Pittsburgh 10, Pa, 1915 Brownsville Rd Tuxedo 2-1000
Springfield, Mass, 145 State St Republic 2-8928
Tulsa, Okla, 1515 W Archer St Luther 7-7002
Atlas Chem Industries, Inc, Chems Div, Concord Pke & New Murphy Rd, Wilmington 99, Del Olympia 8-9311
Chicago 3, Ill, 135 S LaSalle St Franklin 2-9530
(Los Angeles) Sherman Oaks, Cal, PO Box 1214 Triangle 3-1002
N Y 17, 60 E 42 St Murray Hill 7-1730
(San Francisco) Hayward, Cal, 24789 Pear St Jefferson 8-3796
San Mateo, Cal, 2036 Pioneer Court Fireside 1-5894
Explosives Div, Concord Pike & New Murphy Rd, Wilmington 99, Del Olympia 8-9311
Chicago, Ill, 135 S LaSalle St Franklin 2-9530
Joplin, Mo, Box 471, 612 First Natl Bldg Mayfair 4-0924
Knoxville, Tenn, Hamilton Natl Bank Bldg 2-2147
Pittsburgh, Pa, Oliver Bldg, Mellon Sq Atlantic 1-2684
San Mateo, Cal, 2036 Pioneer Ct Fireside 1-5894
Seattle, Wash, 1320 Joseph Vance Bldg Main 5110
Atlas Processing Co, PO Box 1786, Shreveport, La ME 1-2711
Atomic Basic Chems Corp, 364 Regis Rd, Pittsburgh 36, Pa Tuxedo 2-7411
Austin White Lime Co, P O Box 53, Austin, Tex Homestead 5-6591
AviSun Corp, 1345 Chestnut St, Phila 7, Pa Locust 8-5520
Axel Plastics Research Labs, 41-49 29 St, LIC 1, N Y RA 9-4646

B

B B Chem Co, 784 Memorial Dr, Cambridge, Mass Kirkland 7-8500
B T Chemco, Inc, 233 Bway, N Y 7 Worth 2-5170
A Babkow & Co, 333 E 30 St, N Y 16 N Y 36, 330 W 42 St LO 4-3000
►BAIRD CHEM INDUSTRIES, INC, 10 W 33 St, N Y 1 LA 4-8961
Baker Castor Oil Co, 44 Avenue A, Bayonne, N J Hemlock 6-8800
Chicago 45, Ill, 5915 N Lincoln Ave Long Beach 1-6506
Los Angeles 22, Cal, 5585 E 61 St Raymond 3-1318
H J Baker & Bro, 733 3 Ave, N Y 17 TN 7-0200
Atlanta 5, Ga, 361 E Paces Ferry Rd N E Cedar 3-4448
Chicago, Ill, 435 N Michigan Ave Superior 7-9490
New Orleans, La, Box 9188, Metairie Vernon 3-7650
Phila 34, Pa, Box 4711, Sta E Garfield 5-2421
Savannah, Ga, Savannah Bank Bldg Adams 2-4082
Tampa 60, Fla, P O Box 1273 2-0717
►J T BAKER CHEM CO, N Broad St, Phillipsburg, N J Glencourt 4-2151
Chicago, Ill, 435 N Michigan Ave Superior 7-9490
N Y C, 122 E 42 St Oxford 7-1640
Pasadena, Cal, 232 N Lake Ave Murray 1-9613
Barco Chem Products Co, 701-3 S LaSalle St, Chicago 5, Ill Harrison 7-2916
Bareco Wax Co, Div Petrolite Corp, P O Box 390, Kilgore, Tex 5077
Ardmore, Pa, 119 Coulter Ave Midway 9-1440
Chicago, Ill, 332 S Michigan Webster 9-0917
N Y 17, 150 E 42 St Oxford 7-2464
Barium & Chems, Inc, 4043 Erie St, Willoughby, O Whitehall 2-5151
Barlow Chem Corp, Barlow Lane, Ossining, N Y Wilson 1-2612
Barnebey-Cheney Co, Cassady & 8 Aves, Columbus 19, O Clearbrook 8-9501
Los Angeles 15, Cal, 1206 W 11 St Richmond 9-5139
N Y 20, 1 Rockefeller Plaza Judson 2-7573
San Antonio 9, Tex, 4002 Bway Taylor 6-8677
Barnett Labs, Inc, 6256 Cherry Ave, Long Beach 5, Cal Garfield 2-3858
Barold Chems, Inc, Subs National Lead Co, 1809 S Coast Bldg, Houston 2, Tex Jackson 4-6381

Baroid Div, National Lead Co, 2404 Danville St, Houston, Tex JA 4-6381
G Barr & Co, 3601 S Racine Ave, Chicago 9, Ill Yards 7-1700
N Y 70, 4747 Bronx Blvd Fairbanks 5-7870
Barson Chem Co, 3650 Oakton St, Skokie, Ill Juniper 3-2070
Barton Chem Co, 1230 W 46 St, Chicago, Ill Yards 7-3677
Basic Plastic Materials, Inc, Howard St, Winchester, N H Cedar 9-4221
Bates Chem Co, Scottdale Rd, Lansdowne, Pa Madison 3-0805
Beacon Chem Industries, Inc, 33 Richdale Ave, Cambridge 40, Mass University 4-2500

►**BECCO CHEM DIV, FOOD MACHY & CHEM CORP,** Dept BG, 161 E 42, N Y 17 MU 7-7400
Charlotte 1, N C, P O Box 10062 Franklin 6-8581
Framingham, Mass, Fountain St Trinity 5-6141
Los Angeles 22, Cal, 2121 Yates Ave Overbrook 5-7850
Phila 48, Pa, 44 E Oregon Ave Howard 5-6280
Vancouver, Wash, P O Box 154 Oxford 3-3685
Villa Park, Ill, P O Box 191 Terrace 4-9500
Chicago: Austin 7-4476
Beck Equipment & Chem Co, 3350 W 137 St, Cleveland 11, O Winston 1-8355
Beechem Labs, 1102 W State St, St Johns, Mich CA 4-4803
Becker Bros Carbon Co, 3450 S Laramie Ave, Cicero 50, Ill BI 2-1260
Belle Chem Co, Inc, 534 Pearl St, Reading, Pa FR 4-4855
Charlotte, N C, 2300 N Brevard St ED 3-2809
Womelsdorf, Pa, Lavino Rd LU 9-1086
Bell-Ray Chem Corp, 121-C N Bway, Milwaukee 2, Wis Broadway 3-6370
Belmont Smelting & Refining Works, Inc, 322 Belmont Ave, Bklyn 7, N Y Dickens 2-4900
Belray Chem Co Inc, 216 E 70 St, N Y 21 BU 8-3790
Bennett Inc, 678 Massachusetts Ave, Cambridge 39, Mass TR 6-3200
Ben Venue Labs, Inc, 270 Northfield Rd, Bedford 1, O BE 2-3320

►**BENZOL PRODUCTS CO,** 237 South St, Newark 5, N J Market 4-4242
N Y 5, 65 Pine St Bowling Green 9-5785
Phila 4, Pa, 101 N 33 St Evergreen 6-2277
Bergstrom Trading Co, Inc, 233 Bway, N Y 7 Worth 2-5170

►**BERKSHIRE CHEMS INC,** 630 3 Ave, N Y 17 Yukon 6-8855
Boston 10, Mass, 666 Summer St Capitol 7-3778
Camden 3, N J, 532 Cooper St Woodlawn 3-4994
Phila: Walnut 5-5025
Chicago 26, Ill, 1607 Howard St Rogers Park 4-7612
Cleveland 3, O, 2775 Pittsburgh Ave Utah 1-8181
Berkshire Color & Chem Corp, 210 Albany St, Springfield, Mass Republic 6-8358
Bernard Chem Products Co, 98-21 Linden Blvd, Ozone Park 17, N Y Virginia 3-5781
Bestwall Gypsum Co, 120 E Lancaster Ave, Ardmore, Pa MI 2-7600
Branches in all principal cities
Bethlehem Steel Co, 701 E 3 St, Bethlehem, Pa UN 7-2424
Branches in all principal cities
Better Finishes & Coatings, Inc, 268 Doremus Ave, Newark 5, N J Market 4-6700
James V Bibbo Co, 81 Heatherdell Rd, Ardsley, N Y OW 3-4993
Biddle Sawyer Corp, 20 Vesey St, N Y 7 Worth 4-4084
Bio-Rad Labs, 1258 S 32 St, Richmond, Cal Beacon 4-4130
Berkeley, Cal, 800 Delaware St Thornwall 3-0923
Biorganic Labs, Inc, 75 Chamberlain Ave, E Paterson, N J Swarthmore 2-2600
WH 4-6073
Glover M Birk Mfg Chemist, Monon & Lincoln Aves, New Albany, Ind Whitehall 4-6073
J Bishop & Co Platinum Works, Malvern, Pa Niagara 4-3100
Atlanta, Ga, 890 Glendale Terrace, NE Trinity 5-3776
Chicago, Ill, 116 S Michigan Ave Andover 3-4365
Houston 6, Tex, 2302 W Alabama Jackson 8-2790
N Y, 507 5 Ave Yukon 6-3715
Playa Del Rey, Cal, 7808 W Manchester Ave Exmont 8-2343
Biwax Corp, 3445 Howard St, Skokie, Ill AM 2-3339
Blockson Chems see Olin Mathieson Chem Corp
Boler Petroleum Co, 119 Coulter Ave, Ardmore, Pa Midway 9-1440
Boston, Mass, 298 Atlantic Ave Hancock 6-4953
Chicago 4, Ill, 332 S Michigan Ave Webster 9-0917
Bonewitz Chems, Inc, P O Box 927, Burlington, Iowa Plaza 4-6561
Manteca, Cal, P O Box 849, 301 Westmore Talbot 3-4251
Bopf-Whittam Corp, 1135-53 Elizabeth Ave W, Linden, N J Hunter 6-4020
(The) Borden Chem Co, Div Borden Co, 350 Madison Ave, Dept CW-9, N Y 17 Murray Hill 7-4100
Browntown, Wis 85
Compton, Cal, P O Box 430 Newmark 9-0423
Demopolis, Ala, P O Box 247 840
Elmhurst, Ill, 2N581 York Rd Browning 9-4050
Fayetteville, N C, P O Box 1065 Hemlock 2-6196
High Point, N C, 402 Security Bank Bldg 2-4850
Illiopolis, Ill, P O Box 27 Huntley 6-2421
Kent, Wash, 421 1 Ave, N, P O Box 306 Ulrick 2-3340
Leominster, Mass, 511 Lancaster St Keystone 4-6568
Middlesex, N J, Lincoln Blvd, P O Box 218 Eliot 6-4600
N Andover, Mass, 1 Clark St Murdock 7-7131
Peabody, Mass, 103 Foster St Jefferson 1-2222
San Francisco 19, Cal, 1325 Potrero Ave Valencia 6-5070
Seattle 8, Wash, 6010 Airport Way Parkway 2-3700
Springfield, Ore, P O Box 266 Riverside 7-3343
Casein Dept, 350 Madison Ave, N Y 17 Murray Hill 7-4100
Henry Bower Chem Mfg Co, Grays Ferry Rd & 29 St, Phila 46, Pa Howard 5-2100
Bram Metallurgical-Chem Co, 820 65 Ave, Phila 26, Pa Waverly 4-2121
Britex Corp, 17 Lewis Wharf, N, Boston 10, Mass. Richmond 2-0233
Brokston Chem Co, 37 Silver Rd, Brockton 19, Mass Juniper 6-3080
Bromine Producers Co, 1219 E Church St, Adrian, Mich Colfax 5-8964
Brooklyn Color Works, Inc, Morgan & Norman Aves, Brooklyn 22, N Y EV 8-8440
Brothers Chem Co, 573 Forest St, Orange, NJ 5-6100
►**BROWN CO, CHEM DIV,** 733 3 Ave, N Y 17 TN 7-2530
Boston 14, Mass, 150 Causeway St Capitol 7-6070
Chicago 1, Ill, 2225 Prudential Plaza Central 6-6493
San Francisco 5, Cal, 681 Market St Yukon 2-1986
R J Brown Co, 1430 Vandeventer Ave, St Louis 10, Mo Jefferson 1-0840
Argenta, Ill, P O Box 128 3981
Chicago 38, Ill, 5000 S Merrimac St Reliance 5-7700
Cleveland 4, O, 2890 E 83 St Broadway 1-4100
Detroit 11, Mich, 8930 Foster Ave Walnut 1-4380
Irving, Tex, 4228 W Hway 183 Dallas: Blackburn 4-0181
Ft Worth: AT 4-6719
Indianapolis 5, Ind, 3206 Martindale Walnut 3-4591
Lansing 1, Mich, 1800 Glenrose Ave Ivanhoe 5-2513
Louisville 10, Ky, 1316 W Kentucky St Juniper 3-6573
Memphis, Tenn, 377 E Bodley Ave, PO Box 10346 Whitehall 6-1601
Browning Chem Corp, 295 Madison Ave, N Y 17 MU 6-5420
(The) Brush Beryllium Co, 5209 Euclid Ave, Cleveland 3, O Endicott 1-5400
Hayward, Cal, 24353 Clawiter Rd Jefferson 8-9600
White Plains, 55 Church St 9-1210
Bryant Chem Corp, 6 North St, N Quincy 71, Mass President 3-8710
Spartanburg, S C, 1052 Otis Blvd 2-3555

►**BRYTON CHEM CO,** 1270 Ave of the Americas, N Y 20 Judson 6-3430
Chicago 1, Ill, Suite 2002, Prudential Plaza 467-6880
Buckeye Cellulose Corp, 2899 Jackson Ave, Memphis 8, Tenn FA 4-8861
Buckman Labs, Inc, 1256 N McLean Blvd, Memphis 8, Tenn Broadway 5-1246
Bunker Hill Co, 660 Market St, San Francisco 4, Cal EX 2-7005
Los Angeles 22, Cal, 2151 Yates Ave Raymond 3-7178
Oakland 7, Cal, 1336 16 St Glencourt 1-6517
Portland 9, Ore, 1233 N W Kearney St Capitol 3-2818
Seattle 4, Wash, 2700 16 Ave S W Main 3-1095
Burdick & Jackson Labs, 1955 S Harvey St, Muskegon, Mich Parkway 2-2310
Burkart-Schier Chem Co, 1228 Chestnut St, Chattanooga 2, Tenn Amherst 6-0101
Knoxville, Tenn, 1705 Boone St 2-1119
Nashville, Tenn, 809 16 Ave N Alpine 5-0487
Burtonite Co, 330 Passaic Ave, Dept CW, PO Box 7, Nutley 10, N J North 7-5700
Bzura Chem Co, Inc, Clark St off Bway, Keyport, N J, Colfax 4-1700

C

Cabot Corp, 125 High St, Boston 10, Mass Liberty 2-7300
Akron 8, O, 518 Ohio Bldg Franklin 6-5168
Chicago 4, Ill, 141 W Jackson Blvd Webster 9-6480
Dallas, Tex, 1309 Main St Riverside 1-6117
Los Angeles 5, Cal, 3350 Wilshire Blvd Dunkirk 2-7333
New Brunswick, N J, 46 Bayard St Kilmer 5-1828
N Y 17, 60 E 42 St Yukon 6-7127
Cadet Chem Corp, 2153 Lockport-Olcott Rd, Burt 7, N Y Newfane: Spring 8-8555
Calcasieu Chem Corp, 821 Gravier St, New Orleans 21, La 529-3381
Calcasieu Paper Co, Inc, Elizabeth, La Melrose 4-7536
Calcium Carbonate Co, 520 S 4 St, Quincy, Ill Baldwin 3-5165
Chicago 4, Ill, 855 Board of Trade Bldg Wabash 2-6575

►**CALIFORNIA CORP FOR BIOCHEM RESEARCH,** 3625 Medford St, Los Angeles 63, Cal AN 3-6741
N Y C, 161 W 231 St Kingsbridge 9-6575
(The) California Ink Co, Inc, 545 Sansome St, San Francisco 11, Cal Exbrook 7-1212
Honolulu 13, Hawaii, 223 Cooke St 5-2832
Los Angeles 23, Cal, 2939 E Pico Blvd Angelus 3-7331
Phoenix, Ariz, 2222 W Granada Alpine 4-2133
Portland 2, Ore, 5000 S E 18 Ave Belmont 2-3195
Sacramento 16, Cal, 2908 Capitol Ave Gladstone 2-2845
Salt Lake City 1, Utah, 60 S 2 E St Elgin 5-4694
San Diego 4, Cal, 743 9 Ave Belmont 2-7671
Seattle, Wash, 1727 S Alaskan Way Main 3-2215
Spokane 3, Wash, E 217 2 Ave Madison 4-9945
California Products Corp, 167 Waverly St, Cambridge 39, Mass Kirkland 7-5300
California Chem Co
See separate listings by division:
Oronite Div
Ortho Div
Geo Callahan & Co, Inc, Herbert Ave, Closter, N J Poplar 8-1209
Callery Chem Co, Callery, Pa Evans City: 3510
Calumet Div, Calumet & Hecla, Inc, 6 Calumet Ave, Calumet, Mich
Cambridge Industries Co, 101 Potter St, Cambridge 42, Mass Elliot 4-7950
Harry T Campbell Sons' Corp, 100 W Pennsylvania Ave, Towson, Baltimore 4, Md Valley 3-7000
Canadian Radium & Uranium Corp, 630 5 Ave, N Y 20 Circle 6-0460
Capital City Products Co, P O Box 569, Columbus 16, O Axminster 9-1131
Carboline Co, 32 Hanley Industrial St, St Louis 17, Mo MI 7-5795
Houston, Tex, P O Box 14284 Olive 4-9514
N Y C, 299 Madison Ave Murray Hill 7-2429
Oakland 10, Cal, 3718 Grand Ave Glencourt 2-3982
Carbon Products Co, 2401 21 Ave, Rock Island, Ill 786-0024
Cardinal Chem Co, Green & Sansome Sts, San Francisco, Cal Garfield 1-5700
Cardinal Stabilizers, Woodland Terrace, Columbia, SC 254-0152
Cincinnati 31, O, 1944 Compton Rd Jackson 2-0334
Cardox Div, Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill Whitehall 4-7450
Detroit, Mich, 1723 W Lafayette Blvd Woodward 3-3773
Jersey City, N J, 26 Journal Sq Oldfield 6-3283
Los Angeles, Cal, 151 N Ave 19 Capital 1-6191
Memphis, Tenn, 506 McCall Bldg, 75 McCall Pl Jackson 7-5516
(The) Philip Carey Mfg Co, 320 S Wayne Ave, Cincinnati 15, O VA 1-3000
Caribou Chem Co, PO Box 13, Summit Station, O Pataskak 5971
Carlisle Chem Works, Inc, Reading, O Valley 1-3660
(Chicago) Berwyn, Ill, 1327 S Harlem Ave Bishop 2-1572
Cleveland 20, O, 3525 Lee Rd Skyline 2-0888
New Brunswick, N J, 500 Jersey Ave Charter 7-2203
N Y 16, 245 5 Ave Murray Hill 5-8668
Carnegies Fine Chems, 1106 Harrison Ave, Kearny, N J Wyman 8-7700
Carus Chem Co, Inc, 1372 8 St, LaSalle, Ill 223-1500
(The) Carwin Co, Stiles Lane, North Haven, Conn Atwater 8-1671
Carwin Polymer Products, Inc (Subs The Carwin Co), Stiles Lane, North Haven, Conn Atwater 8-1671
Cary Chems Inc, Ryders Lane, New Brunswick, N J Clifford 7-7000
Catalin Corp of America, 1 Park Ave, N Y 16 Murray Hill 3-2100
Chicago, Ill, 221 N LaSalle St Central 6-3066
Detroit, Mich, 2970 W Grand Blvd Trinity 3-6096
Hudson, O, P O Box 695 Olympia 3-5482
Los Angeles, Cal, 440 Seaton St Madison 6-1694
Louisville, Ky, P O Box 1162 Juniper 2-1818
Perth Amboy, N J, Box 311 Hillcrest 2-6300
Thomasville, N C 2747
Worcester, Mass, 89 Prescott Ave Swift 9-0847
Catalysts & Chems Inc, 1232 S 12 St, Louisville, Ky Melrose 5-2691
Cayuga Rock Salt Co, Inc, Myers, N Y Ithaca: Lansing 4-4221
(The) Ceilcote Co, Inc, 4832 Ridge Rd, Cleveland 9, O Shadyside 9-6200
Trenton 8, N J, 191 4 St Tuxedo 2-0300

►**CELANESE CHEM CO, DIV CELANESE CORP OF AMERICA,** Dept 561, 180 Madison Ave, N Y 16 Murray Hill 9-6000
Atlanta 5, Ga, 3130 Maple Dr N E Cedar 7-4955
(Boston) Chestnut Hill 67, Mass, 824 Boylston St Longwood 6-7586
Charlotte, N C, P O Box 1414 Franklin 7-7411
Chicago 48, Ill, 6050 W Touhy Ave Rodney 3-3150
Cleveland 15, O, 1422 Euclid Ave Cherry 1-1290
(Detroit) Southfield, Mich, 17220 W Eight Mile Rd Kenwood 8-1350
Houston 25, Tex, 1105 Prudential Bldg Jackson 3-5524
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 2-2373
Palo Alto, Cal, 535 Middlefield Rd Davenport 6-6620
St Louis 5, Mo, 200 S Bemiston Ave Parkview 6-5066
Wilmington 3, Del, 1035 Phila Pike Sycamore 8-9543

►**CELANESE POLYMER CO, DIV CELANESE CORP OF AMERICA,** Suite 2107, 744 Broad St, Newark 2, N J MI 2-6800

Chicago 54, Ill, 6050 W Touhy Ave Spring 5-4210
Clark, N J, 160 Terminal Ave Fulton 1-4400
Cleveland 15, O, 1422 Euclid Ave Cherry 1-0900
Leominster 27, Mass, 12 Main St Keystone 4-8346
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 5-9487
Southfield, Mich, 17220 W 8 Mile Rd Kenwood 4-4944
St Louis 5, Mo, 200 S Bemiston Ave Volunteer 3-3421
Washington, D C, 1026 17 St, NW Executive 3-6262

Central Chem Div, Wilson & Co, Inc, Prudential Plaza, Chicago 1, Ill Whitehall 4-4600
Ceresit Corp, 3227 S Shields Ave, Chicago 16, Ill DA 6-5757
Chapman Chem Co, 60 N 3 St, Memphis 1, Tenn Jackson 7-8316
Charlotte 4, N C, 207 Hawthorne Lane Edison 4-2714
Chevy Chase, Md, 8763 Preston Place Oliver 6-7732
Palo Alto, Cal, 703 Welch Rd, Suite 2 Davenport 1-0337
Portland, Ore, 1238 NW Glisan Capitol 8-3650
Chase Chem Corp, 3527 Smallman St, Pittsburgh 1, Pa Museum 1-6544
Chattem Chems, 1715 W 38 St, Chattanooga 9, Tenn AM 5-4521
Chem-Met Corp, 161 Ontario St, E, Chicago 11, Ill WH 3-3888
Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill Whitehall 4-3100

See separate listings by divisions:
Cardox Div
Chemical Products Div
Crestwood Chems
Girdler Catalysts
Specific Pharmaceuticals

Chemical Affiliates, Inc, 276 Madison Ave, N Y 16 Murray Hill 3-2593
Chemical Coatings & Engrg Co, 223 Brooke St, Media, Pa Lowell 6-7470
Cincinnati, O, 505 Peoples Bank Bldg Main 1-5543
Chemical Commerce, 123 Sussex Ave, Newark 4, N J Humboldt 2-4365
Chemical Compounding Corp, 262 Huron St, Bklyn 22, N Y EV 3-8200
Chemical Development Corp, Endicott St, Danvers, Mass SP 4-1990
Chemical Insecticide Corp, 30 Whitman Ave, Metuchen, N J Liberty 9-2300
Chemical Intermediates & Research Labs, Inc, 445 Munroe Falls Ave, Box 146, Cuyahoga Falls, O WA 8-8113
Chemical Mfg Co, Inc, 444 Madison Ave, (CW), N Y 22 Murray Hill 8-8700
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-7235
San Francisco 4, Cal, 114 Sansome St Yukon 6-3787
Chemical & Pigment Co, 766 50 Ave, Oakland 1, Cal Andover 1-1680
Chemical Products Corp, P O Box 815, Cartersville, Ga Evergreen 2-2144
Chemical Products Corp, 15 King Philip Rd, E Providence 14, R I Geneva 4-1770
Pico Rivera, Cal, 9528 Carron Dr Raymond 3-2760
Chemical Products Div, Crestwood Chems, Chemetron Corp, P O Box 186, Newport, Tenn 3022

►**CHEMICAL SOLVENTS, INC.,** 1105 Military Park Bldg, Newark 2, N J Market 2-3650
Chemicals Procurement Labs, Inc, 18-17 130 St, College Point 56, N Y FI 3-2663
Chemirad Corp, P O Box 187, East Brunswick, N J Charter 7-7009
Chem-Pure Service Co, 760 Industrial Rd, San Carlos, Cal Lytell 3-8218
Chempar Chem Co, Inc, 260 Madison Ave, N Y 16 OR 9-4428
Chem-Salts, Inc, 92 Milton Ave, S E, Atlanta 15, Ga, 627-6163
Chemsal, Inc, Washington Ave & Franklin St, P O Box 455, New Market, N J Flanders 1-3010
Chicago Copper & Chem Co, 2000 W 127 St, Blue Island, Ill Fulton 5-0606
Chicago Sanitary Products Co, 3100 S Throop St, Chicago 8, Ill Virginia 7-2280
Chipman Chem Co, Inc, Bound Brook, N J Elliot 6-6100
Bessemer, Ala, P O Box 563 8-2377
Chicago 5, Ill, 608 S Dearborn St Harrison 7-9292
Palo Alto, Cal, P O Box 679 Davenport 3-4161
Pasadena, Tex, P O Box 272 Greenwood 2-5581
Portland, Ore, 6200 N W 5t Helens Rd Capitol 6-6221
Charles B Chrystal Co, Inc, 57 Park Pl, N Y 7 Barclay 7-2151

►**CHURCH & DWIGHT CO, INC.,** 70 Pine St, N Y 5 Digby 4-2181
Birmingham 3, Ala, 1001 Comer Bldg Alpine 1-7359
Chicago 5, Ill, 608 S Dearborn St Harrison 7-1065
Oakland 12, Cal, 1540 San Pablo Ave Higate 4-1349
Ciba Co, Inc, Rte 208, Fair Lawn N J Swarthmore 1-1122
Charlotte 1, N C, PO Box 1988 Edison 2-3181
Los Angeles 23, Cal, 3390 E Olympic Blvd Angeles 9-2169
Phila 40, Pa, 4241 N 2 St Gladstone 5-5507
Portland 9, Ore, 1238 N Glisan St, Rm 203 Rumford, R I, 331 N Bway Geneva 4-2422
Skokie, Ill, 7535 Lincoln Ave, PO Box 216 Juniper 8-3941
Ciba Products Corp, Fair Lawn, N J Swarthmore 1-1122
Cities Service Research & Development Co, 60 Wall Tower, N Y 5 Hanover 2-1600
City Chem Corp, 132 W 22 St, N Y 11 WA 9-2723
Jersey City 2, N J, 100 Hoboken Ave Oldfield 3-6900
Clarkson Labs, Inc, 1452 Ferry Ave, Camden 4, N J Woodlawn 6-5200
Claremont Pigment Dispersion Corp, 39 Powerhouse Rd, Roslyn Hts, L I, N Y Mayfair 1-8800
W A Cleary Corp, P O Box 749-C, New Brunswick, N J Charter 7-8000
Skokie, Ill, 8747 St Louis Ave Cornelia 7-8862
Climax Molybdenum Co, 1270 Ave of the Americas, N Y 20 Plaza 7-9700
Chicago 1, Ill, 230 N Michigan Ave Central 6-2027
Dayton 39, O, 3300 S Dixie Hway Axminister 8-3611
Denver 2, Colo, 1013 Midland Savings Bldg Keystone 4-8371
Detroit 2, Mich, 624 Fisher Bldg Trinity 5-4180
Los Angeles, Cal, 650 S Grand Ave Madison 7-1028
Pittsburgh 19, Pa, 1182 Union Trust Bldg Atlantic 1-6238
Clinical Chems Corp, 8556 W Ogden Ave, Lyons, Ill Hickory 7-7500
Clinton Corn Processing Co, Box 340, Clinton, Iowa Chapel 2-1121
Atlanta 3, Ga, 504 Bona Allen Bldg Jackson 2-8998
Chicago 47, Ill, 1755 N Hoyne Ave Spaulding 2-1800
Cincinnati 4, O, 3250 Southside Ave Blackburn 1-4515
Greenville, S C, 520 E North St Cedar 9-3576
Kansas City 5, Mo, 1016 Baltimore Ave HA 1-3620
Los Angeles 21, Cal, 1267 S Boyle Ave Trinity 9555
Milwaukee 4, Wis, 106 W Seeboth St Broadway 2-1720
Minneapolis 1, Minn, 705 Palace Bldg Federal 9-4671
N Y 22, 625 Madison Ave Plaza 9-2633
St Louis, Mo, 307 Merchants Exchange Bldg Jefferson 5-0766
San Francisco 7, Cal, 383 Brannan St Yukon 2-1889
Seattle 4, Wash, 1930 6 Ave S Mutual 2-5135
Somerville 43, Mass, 15-R McGrath Hwy Somerset 6-8200
Coastwise Petroleum Co, 1127 Munsey Bldg, Baltimore 2, Md Mulberry 5-3100
Cohelfred Labs, Inc, 1912 W Birchwood Ave, Chicago 26, Ill Rogers Pk 4-4060
Colgate-Palmolive Co, 300 Park Ave, N Y 22 Plaza 1-1200
Atlanta 8, Ga, 805 Peachtree St N E Trinity 6-7526
Chicago 11, Ill, 919 N Michigan Ave Whitehall 4-6600
Kansas City, Mo, 406 W 34 St Valentine 1-8860
Newark 2, N J, 494 Broad St Market 4-2800
Oakland 12, Cal, Rm 839, First Western Bldg, 1330 Bway TE 4-2455
Collett-Week Corp, Quimby St, Ossining, N Y Wilson 1-3440
Collier Carbon & Chem Corp, 714 W Olympic Blvd, Los Angeles 15, Cal Richmond 7-6111
Brea, Cal, 15471 E Imperial Hwy Jasper 9-2151
Honolulu 13, Hawaii, 735 Bishop St, Rm 314 65732
Sacramento, Cal, 3517 Marconi Ave Ivanhoe 3-2786
Yakima, Wash, 726 W Summitview Ave Chestnut 8-2510
Colloids, Inc, 394 Frelinghuysen Ave, Newark 12, N J BI 3-8500
Colliway Pigments, Div General Aniline & Film Corp, 435 Hudson St, N Y 14 Watkins 4-0600
Charlotte 1, N C, 2459 Wilkinson Blvd Edison 3-4121
Chattanooga 7, Tenn, 4301 Rossville Blvd Madison 9-3282
(Chicago) Melrose Park, Ill, 1950 N Hawthorne Ave Murray 1-3880
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-7321
Phila 2, Pa, 42 S 15 St Locust 3-2838
Portland 10, Ore, 3322 NW 35 Ave Capitol 8-3365
Providence 3, R I, 85 Jockwatton St Gaspee 1-1585
S San Francisco 7, Cal, 206 Utah Ave Juneau 9-6500
Colony Import & Export Corp, 11 E 44 St, N Y 17 Murray Hill 2-3160
Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Colo Cherry 4-0833
Columbia Quarry Co, 1007 Washington Ave, St Louis 1, Mo Main 1-4250
Columbia Southern Chem Corp see Pittsburgh Plate Glass Co
Columbia Wax Co, 530 Riverdale Dr, Glendale, 4, Cal Chapman 5-5731
Oakland 12, Cal, 600 16 St Highgate 4-5913
Sacramento 21, Cal, 2760 Fulton Ave Ivanhoe 3-3500
San Diego, Cal, 709 Bank of America Bldg Belmont 3-5553
Columbian Carbon Co, (Including Mapico Iron Oxides Unit), 380 Madison Ave, N Y 17 Murray Hill 7-2300
Akron 9, O, P O Box 209 Jefferson 5-4191
Boston 16, Mass, 803B Park Sq Bldg Hancock 6-0294
Detroit 35, Mich, 15800 W McNichols Rd Broadway 3-5161
Monroe, La, P O Box 1562 Fairfax 3-8422
(Phila) Camden, N J, 130 Bway Walnut 5-8577
Colyer Co, 122 E 40 St N Y 16 OX 7-8651
Commercial Minerals Co, 312 Irwin St, San Francisco 7, Cal Hemlock 1-2482

►**COMMERCIAL SOLVENTS CORP,** 260 Madison Ave, N Y 16 LE 2-6420
Atlanta 9, Ga, 1958 Monroe Dr NE 875-9058
Boston 29, Mass, 50 Terminal St Charlestown 2-1140
Chicago 14, Ill, 1817 W Fullerton Ave Lincoln 9-7121
Cincinnati 2, O, 49 Central Ave Main 1-4254
Cleveland 13, O, 1220 W 9 St Cherry 1-2693
Detroit 7, Mich, 1900 E Jefferson Ave Lorain 7-2414
Los Angeles 22, Cal, 5052 E Slauson Ave Ludlow 3-4361
Newark 5, N J, 196-202 Blanchard St Market 2-0166
St Louis 17, Mo, 7890 Folk Ave Mission 5-3330
San Francisco 4, Cal, 110 Sutter St Exbrook 2-1611
Shreveport, La, 418 Market St 422-7163
Composition Materials Co, Inc, 25 W 43 St, N Y 36 Bryant 9-3277
Concord Chem Co, Inc, 205 S 2 St, Camden 1, N J Woodlawn 6-1526
Conray Products Co, 129 Pearl St, N Y 5 Hanover 2-6970
Consolidated Water Power & Paper Co, 1130 E John St, Appleton, Wis Regent 3-4461
Continental Chem Co, 195 21 Ave, Paterson, N J Armory 4-4200
Continental Coatings Corp, 38 Greene St C, N Y 13 WA 5-8237

►**CONTINENTAL OIL CO, PETROCHEM DEPT,** 1270 Ave of the Americas, N Y 20 Judson 6-3430
Chicago 1, Ill, Suite 2002 Prudential Bldg 467-6880
Cooper Chem Co, 40 Parker Rd, Long Valley, N J Upton 6-3231
Peter Cooper Corps, Palmer St, Gowanda, N Y LF 2-3344
Boston, Mass, 160 Washington St N Capitol 7-6601
Chicago, Ill, 1455 N Magnolia Ave Brunswick 8-1368
(Milwaukee) Carrollville, Wis S Milwaukee 2-3100
Los Angeles, Cal, 910 E 3 St Madison 8-6986
N Y C, 281 11 Ave Chickering 4-3987
Phila, Pa, 1015 Chestnut St Lombard 3-6160
San Francisco, Cal, 593 Market St Douglas 2-1937
Coopers Creek Chem Corp, 3 River Rd, W Conshohocken, Pa Taylor 8-0375
Coplay Cement Mfg Co, 521 5 Ave, N Y 17 Murray Hill 7-2740
Coplay, Pa Colonial 2-5671
Phila 10, Pa, 1310 Land Title Bldg Rittenhouse 6-3540
Copolymer Rubber & Chem Corp, PO Box 2591 (CW), Baton Rouge 1, La EL 5-5655
Corco Chem Corp, Jefferson Ave & Canal St, Bristol, Pa Stillwell 8-0464
Corn Products Co, 10 E 56 St, N Y 22 Murray Hill 8-7600
Cornelius Wax Refining Corp, U S Hwy No 1, Edison, N J Liberty 9-2800
G & W H Corson, Inc, Plymouth Meeting, Pa Chestnut Hill 7-5900
Arlington, Va, 2116 Wilson Blvd Jackson 7-0053
Burlington, R D, N J, River Rd, Stevens Sta Dudley 7-0485
Cosden Petroleum Corp, Box 1311, Big Spring, Tex Amherst 4-4661
Robert A Coupe, Dunnell Lane, Pawtucket, R I 3-4944
Cowles Chem Co, 7016 Euclid Ave, Cleveland 3, O Henderson 1-3400
Joliet, Ill Lockport, N Y, 555 W Jackson St 3-6791
Perth Amboy, N J, 51 New Brunswick Ave Hillcrest 2-9445
Skaneateles Falls, N Y 417
Crescent Chem Co, Inc, 77-44 164 St, Flushing 65, N Y Axtel 7-8188
Greenville, S C, 511 Rhett St Cedar 3-8371
Crescent Oil Co, Inc, 514-520 W Wyoming St, Indianapolis, Ind Melrose 4-1415
Creda, Inc, 15 E 26 St, N Y 10 Murray Hill 3-3089
Newark, N J, 185 Foundry St MA 3-4245
Crossett Chem Co, P O Box 271, Crossett 5, Ark Forest 4-2141
Croton Chem Corp, 114 Liberty St, N Y 6 Rector 2-0403
Crowley Tar Products Co, Inc, 271 Madison Ave, N Y 16 MU 3-1040
High Point, N C
Oklahoma City, Okla Forest 5-1556
Paulsboro, N J Hazel 3-4000
Weehawken, N J
Crown Chem Corp, 240 India St, Providence 3, R I Gaspee 1-1248
Graham, N C, 125 E Elm St Canal 6-8105
Greensboro, N C, 703 S Lindell Rd Broadway 2-3665
Peterborough, N J, Sand Hill Rd 378
Ware Shoals, S C, Box 92 West End 2933
Crown Zellerbach Corp, Camas 98, Wash 6801
Crownoil Chem Co, Inc, 2-14 49 Ave, LIC 1, N Y Stilwell 4-0040
Culligan, Inc, 1657 Shermer Rd, Northbrook, Ill Crestwood 2-1000
Chicago: Cornelia 7-1330

San Bernardino, Cal, Cajon & State Rd
Turner 2-1707
Cutler-Magner Co, 1116 Fidelity Bldg, Duluth 2, Minn
Randolph 2-1418
Minneapolis 2, Minn, 1325 Rand Tower
Federal 2-8409

D

DPR, Inc, Sub H V Hardman Co, Inc, 571 Cortlandt St, Belleville 9, N J Plymouth 9-1242
Dacar Chem Products Co, Wabash & McCartney St, Pittsburgh 20, Pa Walnut 1-3622
Dadant & Sons, Inc, 2 St, Hamilton, Ill 103
Dampney Co, Hyde Park, Boston 36, Mass
Empire 1-2131
N Y 6, 114 Liberty St Digby 9-2630
Phila 8, Pa, 401 N Broad St Walnut 5-2522
Darling & Co, 4201 S Ashland Ave, Chicago 9, Ill
YA 7-3000
Darlington Chems, Inc, 2 Penn Center Plaza, Phila 2, Pa LO 3-9241
Davies Nitrate Co, Inc, 114 Liberty St, N Y 6
Rector 2-6095
Davies-Young Soap Co, 705 Albany St, Dayton 1, O
BA 4-6591
Frank D Davis Co, 450 Metuchen Rd, S Plainfield, N J 7-2300
Los Angeles 23, Cal, 3285 E 26 St
Angelus 9-7311

►**DAVISON CHEM DIV, W R GRACE & CO,**
Baltimore 3, Md Saratoga 7-3900
Chicago 3, Ill, 19 S LaSalle St (Petroleum Catalysts) State 2-1670
Erwin, Tenn (Uranium & Thorium) Pioneer 2-1721
Houston, Tex, 4101 San Jacinto Jacinto 6-1456
N Y 17, 420 Lexington Ave Murray Hill 5-5484
Pompton Plains, N J, Box 488 (Rare Earths Dept) Terhune 5-3060
Dawe's Labs, Inc, 4800 S Richmond St, Chicago 32, Ill Virginia 7-3710
Dayton Chem Products Labs, Inc, Box 27CW, W Alexandria, O Temple 9-4160
Dayton Fertilizer Corp, Georges Rd at PRR, Dayton, N J Davis 9-4011
Deecy Products Co, Div Reichhold Chems, Inc, 120 Potter St, Cambridge 42, Mass KI 7-7036
Degen Oil & Chem Co, Foot of Kellogg St, P O Box 5C, Jersey City 5, N J Henderson 2-1192
J H DeLamar & Son, Inc, 4529 N Kedzie Ave, Chicago 25, Ill Juniper 8-0500
Delaware Chems, Inc, 726 King St, Wilmington, Del Olympia 6-4471
Staten Island 9, N Y, 50 Murray St Yukon 4-2500
Delhi-Taylor Oil Corp, Fidelity Union Tower, Dallas 1, Tex Riverside 8-5511
Charleston, S C, PO Box 5274 Sherwood 4-0778
Corpus Christi, Tex, P O Box 4067 Tulip 4-4831
N Y 17, 415 Madison Ave Plaza 5-1322

►**DELMAR CHEM CO, INC,**
Elkton, Md Export 8-2700
DeMert & Dougherty, Inc, 5000 W 41 St, Chicago 50, Ill Lafayette 3-5600
Kansas City 8, Mo, 1510-12 St Louis Ave Harrison 1-6203
Kearny, N J, 548 Belleville Tpke Wyman 8-8500
Jeffersonville, Ind, 305 Missouri Ave Butler 2-2511
Milwaukee 16, Wis, 710 N Plankington Broadway 1-9380
St Louis 3, Mo, 1600 Clark Ave Garfield 1-3900
Descollonges, Inc, 160 5 Ave, N Y 10 Chelsea 3-1937
DeSoto Chem Coatings, Inc, 1350 S Kostner Ave, Chicago 23, Ill Rockwell 2-5000
Berkeley 10, Cal, 4 & Cedar Sts Landscape 6-1525
Chicago Hts, Ill, 300 State St Interocean 8-3200
Garland, Tex, Forest Lane & Shiloh Rd Broadway 6-5181
Greensboro, N C, 1025 Howard St Broadway 3-8681
Joliet, Ill, 100 E Washington St Saratoga 2-2492
Los Angeles 58, Cal, 2133 E 38 St Adams 4-9095
N Kansas City, Mo, 16 & Howell Aves Grand 1-3998
Phila 24, Pa, 4820 Langdon St Pioneer 3-6400
Detrex Chem Industries, Inc, 14331 Woodrow Wilson, P O Box 501, Detroit 32, Mich Townsend 8-8600
Chicago 45, Ill, 5875 N Lincoln Ave Longbeach 1-9658
Englewood, N J, 39 Park Pl Lowell 8-1245
Los Angeles 58, Cal, 3027 Fruitland Ave Ludlow 8-9214
W Hartford 7, Conn, 967 Farmington Ave Adams 2-1193
Detroit Chem Works, 125 S Junction Ave, Detroit, Mich VI 1-3700
Devcon Corp, Box 2, Danvers, Mass SP 4-1990
Dewey & Almy Chem Div, W R Grace & Co, 62 Whittemore Ave, Cambridge 40, Mass Trowbridge 6-1400
Acton, Mass, Maynard, RFD Twin Oaks 7-2905
Adams, Mass, Harmony St 546
Chicago 38, Ill, 6050 W 51 St Portsmouth 7-3223
Clifton, N J, P O Box 361, 225 Allwood Rd Gregory 2-6040
Owensboro, Ky, Box 61 Murray 4-4964
Quakertown, Pa Keystone 6-4600
San Leandro, Cal, 2140 Davis St Lockhaven 8-3427
Worcester, Mass, 54 Rockdale St Pleasant 3-7263
Diamond Alkali Co, 300 Union Commerce Bldg, Cleveland 14, O Main 1-6100
Chicago 6, Ill, 20 N Wacker Dr State 2-9550
Cincinnati 29, O, 4701 Paddock Rd Redwood 1-3200
Houston 2, Tex, 1006 Main St Fairfax 3-7329
Memphis 3, Tenn, 1381 Heistan Pl, De Soto Sta Broadway 2-1736
N Y 16, 99 Park Ave Oxford 7-0440
Phila 7, Pa, 12 S 12 St Walnut 5-8017
Pittsburgh 22, Pa, 1323 Oliver Bldg Grant 1-7500
St Louis 8, Mo, 4246 Forest Park Blvd Jefferson 5-2232
Diamond Crystal Salt Co, 916 S Riverside, St Clair, Mich Fairview 9-2211
Akron, O, 2065 Manchester Rd Sherwood 5-4473
Atlanta 5, Ga, 3330 Peachtree Rd, N D Rm 444 Cedar 7-6324
Boston, Mass, 10 High St Liberty 2-7825
Charlotte 2, N C, Independence Co Bldg Franklin 5-4433
Chicago 31, Ill, 6778 Northwest Hwy Newcastle 1-4507
Detroit 2, Mich, Rm 812 Stephenson Bldg, 6560 Cass Trinity 2-3317
Louisville 7, Ky, Suite 8, 4050 Westport Rd Twinbrook 6-8801
Minneapolis 3, Minn, 1002 Plymouth Bldg Federal 6-9601
New Orleans, La, 3625 Airline Hwy, Metairie Vernon 5-6110
N Y 1, Empire State Bldg, Rm 2207 Chickering 4-8830
Wm Diehl & Co, 106 E 56 St, N Y 22 MU 8-7960
Distillation Products Industries, Div Eastman Kodak Co, 755 Ridge Rd W, Rochester 4, N Y University 5-3000
Chamblee, Ga, 5315 Peachtree Industrial Blvd Glendale 7-5211
Chicago 45, Ill, 3557 W Petterson Ave Independence 3-4815
Dallas, Tex, 6300 Cedar Springs Ave Fleetwood 1-3221
White Plains, N Y, 190 E Post Rd 9-8232
NYC: Talmadge 8-1568
Detroit 8, Mich, 1745 W Grand Ave Tyler 6-5880
Minneapolis 8, Minn, 2614 Nicollet Ave S Taylor 2-2135
Newark 12, N J, 400 Frelinghuysen Ave Bigelow 8-5582
San Francisco 5, Cal, 525 Market St Garfield 1-6715
Somerville 44, Mass, 99 Elmwood St Monument 6-0860
South Gate, Cal, 5720 Imperial Hwy Lorraine 6-4168
Waco, Tex, P O Box 295 Plaza 3-6281
Division Lead Co, 7746 W 61 Place, Summit, Ill Chicago: Reliance 5-8600
Dixie Pine Products Co, Inc, P O Drawer 470 (CSR), Hattiesburg, Miss JU 4-6221
Dixo Co, Inc, PO Box 6, Rochelle Park, N J HU 9-3737
Dixon Chem Industries Inc, Dixon Pk, Broad St & Hepburn Rd, Clifton, N J PR 3-6300
Dixon Chem & Research, Inc, Dixon Par, Broad St & Hepburn Rd, Clifton, N J PR 3-6300
Providence, R I, 87 Weybosset St Gaspee 1-1096
Merchantville, N J, Cuthbert Rd Normandy 5-0100
Dodge & Olcott, Inc, 75 9 Ave, N Y 11 Watkins 4-3600
Atlanta 9, Ga, 45 11 St NE Trinity 3-2050
Boston 16, Mass, Park Sq Bldg Hancock 6-2990
Chicago 40, Ill, 5537 N Clark St Longbeach 1-8996
Cincinnati 4, O, 621 Evans St Grandview 1-8830
Los Angeles 15, Cal, 908 S Olive St Madison 6-4703
Phila 3, Pa, 69 St Theater Bldg, Upper Darby, Pa Sherwood 7-4008
St Louis 17, Mo, 9792 Clayton Rd Wydown 1-6767
Dominion Products, Inc, 10-40 44 Dr, LIC 1, N Y Stilwell 4-3449
Donner-Hanna Coke Corp, Abby & Mystic Sts, Buffalo 20, N Y TA 2-1600
Dover Chem Corp, W 15 St, Dover, D 4-2197
Cleveland, O, 1371 Merwin Ave Main 1-7589
Dow Chem Co, Midland, Mich Melrose 6-1000
Atlanta 3, Ga, 1714 Fulton Natl Bank Bldg Murray 8-3085
Boston 16, Mass, 520 Boylston St Copley 7-6415
Buffalo 2, N Y, 70 Niagara St TL 6-8825
Camden 2, N J, 400 Market St Woodlawn 6-4150
Charlotte 2, N C, 504 Wachovia Bank Bldg Edison 4-0851
Chicago 48, Ill, 6000 W Touhy Ave Spring 4-6000
Cincinnati 6, O, 2330 Victory Pkwy Capitol 1-7020
Cleveland 13, O, 55 Public Sq Tower 1-5825
Dallas 1, Tex, 1505 Elm St Riverside 2-8691
Detroit 2, Mich, 450 Fisher Bldg Trinity 5-7200
Houston 25, Tex, 6910 Fannin St Jackson 6-1601
Los Angeles 17, Cal, 900 Wilshire Blvd Madison 6-0111
Minneapolis 3, Minn, 1750 Hennepin Ave Federal 3-2373
New Orleans 12, La, 1100 Commerce Bldg 524-0206
N Y 20, 45 Rockefeller Plaza Plaza 7-8300
Pittsburgh 22, Pa, 4 Gateway Center Atlantic 1-3030
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 6-1000
San Francisco 4, Cal, 350 Sansome St Garfield 1-8323
Seattle 1, Wash, 307 Broad St Main 4-6488
Dow Corning Corp, Midland, Mich Temple 2-2371
Atlanta 2, Ga, P O Box 5074 Trinity 6-1005
Dallas 31, Tex, 6778 Greenville Ave Emerson 8-1301
Englewood Cliffs, N J, P O Box 549 Lowell 7-4960
B F Drakenfeld & Co, Inc, 45 Park Pl, N Y 7 Barclay 7-6809
Washington, Pa, Box 519 Baldwin 5-5600
E F Drew & Co, Inc, 15 E 26 St, N Y 10 MU 6-2800
Boston, Mass, 61 Batterymarch St Hubbard 2-1841
Chicago, Ill, 185 N Wabash Ave Financial 6-2865
Strathmore, Cal Lindsay 2-4931
Drug Processors, Inc, 1219 Church St, Adrian, Mich Colfax 5-8964
DuBois Chems, Inc, 634 Bway, Cincinnati 11, O GA 1-5100
Dallas, Tex, 1412 Jeffries St Taylor 1-9170
E Rutherford, N J, DuBois St & Union Ave Webster 2-3200
Los Angeles, Cal, 300 S Mission Rd Angeles 8-0141
T M Duche & Sons Inc, Unigum Div, 290 Brighton Rd, Clifton, N J Prescott 3-8500
Boston, Mass, 171 State St
Chicago 10, Ill, 61 W Kinzie St Superior 7-5255

►**E I DU PONT DE NEMOURS & CO, INC,** Wilmington 98, Del Prospect 4-1000

►**DYES & CHEMS DIV,** 8421 Nemours Bldg, Wilmington 98, Del Prospect 4-1000
Atlanta 3, Ga, 1261 Spring St NW Trinity 5-5391
Charlotte 2, N C, 427 W 4 St Franklin 5-5561
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
Clifton, N J, 50 Page Rd Prescott 3-5600
Los Angeles 58, Cal, 2930 E 44 St Logan 5-6464
Phila 3, Pa, 1616 Walnut St Kingsley 5-1950
Rumford 16, R I, 50 N Bway Geneva 4-6500

►**ELASTOMERS DEPT,** Wilmington 98, Del Prospect 4-1000
Akron 8, O, 40 E Buchtel Ave Portage 2-8461
Atlanta 3, Ga, 1261 Spring St NW Trinity 5-5391
Boston 10, Mass, 140 Federal St Hancock 6-1711
Charlotte 1, N C, 427 W 4 St Franklin 5-5561
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 6, Tex, 2601A W Grove Lane Mohawk 7-7429
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
Palo Alto, Cal, 701 Welch Rd Davenport 6-7550
Trenton 8, N J, 1750 N Olden Ave Export 3-7141
N Y C: Walker 5-3290

►**ELECTROCHEMS DEPT,** Wilmington 98, Del Prospect 4-1000
(Boston) Waltham 54, Mass, 45 4 Ave Twinbrook 9-8300
Charlotte 1, N C, 427 W 4 St Franklin 5-5561
(Chicago 46,) Lincolnwood, Ill, 7250 N Cicero Ave Independence 3-7250
Cincinnati 2, O, 2412 Carew Tower Parkway 1-5253
Cleveland 20, O, 11900 Shaker Blvd Longacre 1-1580
Dallas 21, Tex, 8510 Ambassador Row Fleetwood 7-4611
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
(Los Angeles) El Monte, Cal, P O Box 70 Cumberland 3-2761
N Y 1, 350 5 Ave Longacre 3-6440
(Phila) Wynnewood, Pa, 308 E Lancaster Ave Trinity 8-2700
San Francisco 24, Cal, 1485 Bayshore Blvd Juniper 6-5141

►**EXPLOSIVES DEPT,** Wilmington 98, Del Prospect 4-1000
Boston 10, Mass, 140 Federal St Hancock 6-1724
Charlotte 1, N C, 427 W 4 St Franklin 5-5561
(Chicago) Lincolnwood 30, Ill, 7250 N Cicero Ave Independence 3-7250
Cleveland 20, O, 11900 Shaker Blvd Longacre 1-5070
Houston 27, Tex, P O Box 22207, 3202 Weslayan St Mohawk 7-9197
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
N Y 1, 350 5 Ave Longacre 3-6400

►**FABRICS & FINISHES DEPT,** Wilmington 98, Del Prospect 4-1000
Atlanta 18, Ga, 1737 Ellsworth Industrial Dr NW Sycamore 4-9581
Boston 42, Mass, 35 Cambridge Pkwy University 4-1442
(Chicago) Lincolnwood 30, Ill, 7250 N Cicero Ave Independence 3-7250
Cleveland 14, O, 3133 Chester Ave Main 1-8516
Dallas 21, Tex, 8510 Ambassador Row Fleetwood 7-4611
Detroit 2, Mich, 5-238 General Motors Bldg Trinity 5-1990
Kansas City 41, Mo, 6201 Manchester Trafficway Emerson 3-1390
(Phila) Wynnewood, Pa, 308 E Lancaster Ave Trinity 8-2700
(San Francisco) Burlingame, Cal, 1600 Trousdale Dr Oxford 7-3870

►**"FREON" PRODUCTS DIV,** Wilmington 98, Del Prospect 4-1000
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
E Orange, N J, 160 E Halsted St Orange 6-1112
Palo Alto, Cal, 701 Welch Rd Davenport 6-2840

►**INDUSTRIAL & BIOCHEMS DEPT,** Wilmington 98, Del Prospect 4-1000

Industrial Chems Sales Offices
Atlanta 8, Ga, 739 W Peachtree St Trinity 6-1586
Chicago 32, Ill, 4251 S Crawford Ave Cliffside 4-7676
Cincinnati 2, O, 2308 Carew Tower Cherry 1-4570
Cleveland 20, O, 12800 Shaker Blvd
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 27, Tex, 4215 Richmond Ave Mohawk 6-0251
Minneapolis 2, Minn, 1207 Foshay Tower Federal 5-4181
New Haven 13, Conn, 46 River St Locust 2-5145
N Y 1, 350 5 Ave Longacre 3-6456
(Phila) Wynnewood, Pa, 308 E Lancaster Ave Trinity 8-2700
Pittsburgh 19, Pa, 1715 Grant Bldg Grant 1-5427
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 6-1400
Waltham 54, Mass, 45 4 Ave Twinbrook 9-8300

Biochems Sales Offices
Atlanta 8, Ga, 739 W Peachtree St Trinity 6-1586
Houston 27, Tex, 4215 Richmond Ave Mohawk 6-0251
Palo Alto, Cal, 701 Welch Rd Davenport 6-6044
(Phila) Wynnewood, Pa, 308 E Lancaster Ave Trinity 8-2700
Western Springs, Ill, 40-47 St Chestnut 6-5902
Chicago: Bishop 2-2658

►**PETROLEUM CHEMS DIV,** Wilmington 98, Del Prospect 4-1000
Chicago 3, Ill, 8 S Michigan Ave Randolph 6-8630
Cleveland 15, O, 101 Prospect Ave Main 1-3422
Houston 2, Tex, 705 Bank of Commerce Bldg Capitol 5-1151
Los Angeles 17, Cal, 612 S Flower St Madison 4-1354
N Y 20, 45 Rockefeller Plaza Columbus 5-2342
Phila 2, Pa, 3 Penn Center Plaza Locust 8-3531
Pittsburgh 22, Pa, 1 Gateway Center Atlantic 1-2933
San Francisco 4, Cal, 111 Sutter St Exbrook 2-1934
Seattle 3, Wash, 4003 Aurora Ave Melrose 2-6977
Tulsa 19, Okla, 1811 S Baltimore Ave Luther 5-5578

►**PIGMENTS DEPT,** Wilmington 98, Del Prospect 4-1000
Atlanta 2, Ga, 225 Moore St SE Jackson 5-5178
(Boston) Malden 48, Mass, 359 Washington St 2-8080
Chicago 6, Ill, 20 N Wacker Dr Andover 3-7000
Cleveland 14, O, 1222 Natl City Bank Bldg Main 1-2994
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 25, Tex, 1100 E Holcombe Blvd Jackson 3-5533
N Y 1, 350 5 Ave Longacre 3-6400
Pasadena 1, Cal, 234 E Colorado St Ryan 1-7431
Phila 3, Pa, 117 S 17 St Rittenhouse 6-2080
Portland 9, Ore, 1238 NW Glisan St Capitol 2-6012
San Francisco 4, Cal, 111 Sutter St Exbrook 2-6230

►**POLYCHEMS DEPT,** Wilmington 98, Del Prospect 4-1000
Boston 10, Mass, 140 Federal St Hancock 6-1711
(Chicago) Lincolnwood 30, Ill, 7250 N Cicero Ave Orchard 5-1010
Chicago: Independence 3-7250
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
N Y 1, 350 5 Ave Longacre 3-6400
Phila 3, Pa, 1616 Walnut St Kingsley 6-4600

Dura Commodities Corp, 20 Vesey St, N Y 7 Digby 9-2570

Duralac Chem Corp, 84 Lister Ave, Newark 5, N J Mitchell 2-2946

Durez Plastics Div, Hooker Chem Corp, 5 Walck Rd, N Tonawanda, N Y NX 3-1860
Buffalo 2, N Y, 120 Delaware Ave TL 3-7525
Chicago 2, Ill, 1 N LaSalle St Central 6-1311
Dayton, O, 333 W 1 St Baldwin 2-7436
Detroit 2, Mich, 503 Stephenson Bldg Trinity 3-3133
Los Angeles 22, Cal, 6277 E Slauson Ave Overbrook 5-8910
N Y 19, 666 5 Ave Plaza 7-9600

Duval Sulphur & Potash Co, 1906 1st City Natl Bank Bldg, Houston 2, Tex CA 3-4481

Dye Specialties, Inc, 26 Journal Sq, Rm 1611, Jersey City 6, N J

Dynacolor Corp, 295 Mt Read Blvd, Rochester 11, N Y FA 8-2827

Dynamic Colors, 514 Jackson Ave, P O Box 2155-B, Huntington, W Va Jackson 9-7831

E

Eagle-Picher Co, Dept CW, American Bldg, Cincinnati 1, O Parkway 1-7010
Branches in all principal cities

Eastern Chem Corp, 34-B Spring St, Newark 4, N J Humboldt 2-6939

Eastern Color & Chem Co, 35 Livingston St, Providence 1, R I Dexter 1-9000

►**EASTMAN CHEM PRODUCTS, INC,**
Kingsport, Tenn Circle 6-2111
Atlanta 5, Ga, 3133 Maple Dr, NE Cedar 7-6472
Buffalo 26, N Y, 4498 Main St TF 9-3252
(Chicago) Skokie, Ill, 4200 Dempster St Orchard 6-1750
Cincinnati 20, O, 1626 Carew Tower Main 1-6730
Cleveland 20, O, 13212 Shaker Sq Skyline 1-2083
Dallas 35, Tex, 100 Exchange Park N Fleetwood 7-6579
Dayton, 19, O, 2600 Far Hills Bldg Axminster 3-3181
(Detroit 35) Southfield, Mich, 17320 W 8 Mile Rd Kenwood 4-3861
Framingham, Mass, 65 Concord St Trinity 3-3443
Greensboro, N C, 1403 Sunset Dr Broadway 5-9517
Houston 25, Tex, 1100 Holcombe Blvd Jackson 6-3981
Kansas City 11, Mo, 3435 Bway Blvd Logan 1-7268
Leominster, Mass, 39 Main St 4-4974
N Y 16, 260 Madison Ave Oregon 9-1820
(Phila) Ft Washington, Pa Chestnut Hill 8-2275
Rochester 4, N Y, 343 State St Locust 2-6000
St Louis 5, Mo, 10 S Brentwood Blvd Park 7-4608

Edcan Labs, 10-20 Pine St, S Norwalk, Conn Volunteer 6-3381

Edgar Plastic Kaolin Co, 16 W Central Rd, Edgar, Fla Hawthorne 2821

Thomas A Edison Industries, Medical Gas Div, McGraw-Edison Co, Stuyvesant Falls, N Y Kinderhook: Murdock 5-5101
North Grafton, Mass Vernon 9-3542
West Orange, N J Orange 3-6900

Electro Chem Co, 230-6 E 127 St, N Y 35 Lehigh 4-4828

Electro Organic Corp, Glen Gardner, N J Califon 188

Elgin Softener Corp, 134 N Grove Ave, Elgin, Ill Sherwood 2-7210

B R Elk & Co, Inc, 193 Palisade Ave, Garfield, N J Prescott 7-3803

Emery Industries, Inc, Dept WB, Carew Tower, Cincinnati 2, O Dunbar 1-5700
Chicago 31, Ill, 6835 W Higgins Ave Rodney 3-5747
Cleveland 13, O, 1200 W 9 St Tower 1-5270
Jersey City 2, N J, 1 Exchange Pl Bldg Cortlandt 7-4393
Los Angeles 22, Cal, 5568 E 61 St Raymond 3-3157
Phila 29, Pa, 4343 E River Dr Victor 3-8300
Waltham 54, Mass, 751 Main St Twinbrook 3-6358

Emkay Chem Co, 319-325 2 St, Elizabeth, N J EL 2-7695

Englehard Industries, Inc, 113 Astor St, Newark 2, N J Bigelow 2-2700
Chicago, Ill, 55 E Washington St Financial 6-6288
Dallas 1, Tex, 1807 Commerce St, Rm 1125 Riverside 7-0206
Los Angeles, Cal, 1111 Wilshire Blvd Huntley 2-1800
Miami, Fla, 925 Ingraham Bldg Franklin 9-8163
N Y C, 477 Madison Ave Plaza 1-4242
Orlando, Fla, 102 S Orange Ave Garden 2-3682
San Francisco, Cal, 760 Market St Garfield 1-1447

English Mica Co, Ridgeway Center Bldg, Stamford, Conn Davis 4-9531
Kings Mountain, N C Gastonia: 739-5676
Spruce Pine, N C Poplar 5-4072

►**ENJAY CHEM CO, DIV HUMBLE OIL & REFINING CO,** 15 W 51 St, N Y 19 Plaza 7-1200
Akron 13, O, 3020 N Market St Jefferson 5-3326
Boston 17, Mass, 135 Clarendon St Copley 7-5544
Charlotte, N C, 207 Hawthorne Lane Franklin 6-5536
Chicago 1, Ill, Prudential Plaza, 130 E Randolph Dr Randolph 6-3288
(Detroit) Southfield, Mich, 17360 W 8 Mile Rd Kenwood 2-7113
Houston 25, Tex, 1100 Holcombe Blvd Jackson 6-1007
Los Angeles 17, Cal, 615 S Flower St Madison 6-5664
New Orleans 5, La, 1410 Canal St Tulane 3461
Plainfield, N J, 1024 South Ave 7-3400
Tulsa 1, Okla, 125 W 3 St Cherry 2-4119

Enthone, Inc, subs American Smelting & Refining Co, 422 Elm St, New Haven, Conn Spruce 7-5581

Epoxylite Corp, 1428 N Tyler Ave, S El Monte, Cal CU 5-8231

Wallace A Erickson & Co, 840 N Wells St, Chicago 10, Ill SU 7-8836

Escambia Chem Corp, 261 Madison Ave, N Y 16 Oxford 7-4316
Pensacola, Fla, P O Box 467 Pace:Wyman 4-5511

Essential Chems Co, 5906 N Pt Washington Rd, Milwaukee 17, Wis Edgewood 2-9010
Mt Prospect, Ill, 145 Albert St Chestnut 3-9213

Esso Standard, Div Humble Oil & Refining Co, 15 W 51 St, N Y 19 Plaza 7-1200
Bala-Cynwyd, Pa, City Line Ave & Esso Rd Trinity 8-0700
Baltimore 4, Md, 7720 York Rd Valley 5-5400
Boston 17, Mass, 135 Clarendon St Commonwealth 6-2600
Charlotte 1, N C, 1600 Woodlawn Rd Jackson 3-2211
Elizabeth 3, N J, 500 N Broad St 4-6000
Memphis 1, Tenn, 1211 Union Ave Broadway 2-2461
New Orleans 16, La, 1410 Canal St Magnolia 6781
Pelham, N Y, Hutchinson River Pkwy 8-4700
Richmond 12, Va, Broad & Hamilton Sts Elgin 9-2411

►**ETHYL CORP,** 100 Park Ave, N Y 17 Oregon 9-2000
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-2952
Houston, Tex, 1st City Natl Bank Bldg
Los Angeles 26, Cal, 1141 Huntley Dr Madison 6-4333
Tulsa 3, Okla, Natl Bank Tulsa Bldg Gibson 7-5128

Eureka Chem Co, 41 Sheridan St, San Francisco 3, Cal UN 1-7909
Mobile, Ala, 117 N Commerce St Hemlock 8-4356

European Chem Co, Inc, 124 E 40 St, N Y 16 Yukon 6-7250
Dallas 14, Tex, 7322 Coronado Ave Davis 7-0052
Syracuse 5, N Y, 107 Smith Lane, Apt C-1 Granite 8-8796

►**EVANS CHEMETICS INC,** 250 E 43 St, N Y 17 MU 3-0071

Evans Lead Corp, P O Box 1467, Charleston 25, W Va Dickens 2-8103

Exolon Co, 955 E Niagara St, Tonawanda, N Y NX 3-4550
Chicago 42, Ill, 5252 N Bway Edgewater 4-5300
Wellesley Hills 82, Mass, 47 River St Needham 3-0222M

F

Fabric Chems Co, 61-63 Cornelison Ave, Jersey City 4, N J Henderson 2-0440

Faesy & Besthoff, Inc, 25 E 26 St, N Y 10 Murray Hill 4-2700

Fairfield Chems Div, Food Machy & Chem Corp, 441 Lexington Ave, N Y 17 Oxford 7-1940
Atlanta 3, Ga, 127 Peachtree St NE Jackson 5-6575
Chicago 2, Ill, 6 N Michigan Ave Financial 6-2436
Cincinnati 24, O, P O Box 26 Mulberry 1-0983
Kansas City 6, Mo, 1006 Grand Ave Baltimore 1-6630
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 7-6343
Trenton 9, N J, P O Box 507 Export 6-3057

Fairmount Chem Co, 136 Liberty St, N Y 6 Barclay 7-6375

Failek Chem Corp, 4 W 58, N Y 19 Plaza 2-0250

W F Fancourt Co, 408 Banner Ave, Greensboro, N C Burlington, N C, 309 E Davis St

Farchan Research Labs, 28915 Anderson Rd, Wickliffe, O WH 3-6435

Fasson Products, 250 Chester St, Painesville, O EL 2-4444

Federal Color Labs, Inc, 4525 Chickering Ave, Cincinnati 32, O MU 1-5950

Feedwaters, Inc, 140 Cedar St, N Y 6 Rector 2-0494

Felton Chem Co, Inc, 599 Johnson Ave, Bklyn 37, N Y HY 7-4664
Atlanta, Ga, 231 Healy Bldg Jackson 2-7607
Boston, Mass, 80 Boylston St Hancock 6-7848
Chicago, Ill, 325 W Huron St Whitehall 3-0665
Oak Park, Mich, 24211 Beverly Lincoln 7-9095
Phila, Pa, 15 Lombard St Walnut 5-6680
St Louis, Mo, 6635 Delmar Blvd Parkside 1-1338
W Los Angeles, Cal, 2242 Purdue Ave Bradshaw 2-3482

L W Ferdinand & Co, Inc, 2300 Washington St, Newton Lower Falls 62, Mass Decatur 2-5307

Fermco Labs, Inc, 4941 S Racine Ave, Chicago 9, Ill Drexel 3-1212

Ferro Chem, Div Ferro Corp, 452 Krick Rd, Bedford, O 2-4330

Fiber Chem Corp, P O Box 218, Matawan, N J Lowell 6-1100

Filo Color & Chem Corp, 347 Madison Ave, N Y 17 Murray Hill 4-7080

Filtrol Corp, 3250 E Washington Blvd, Los Angeles 23, Cal Angelus 3-5111

Fine Organics, Inc, 205 Main St, Lodi, N J Gregory 2-6800

Finetex, Inc, 418 Falmouth Ave, E Paterson, N J Swarthmore 7-4686

Firestone Plastics Co, 750 Firestone Dr, Pottstown, Pa Faculty 6-2000
Phila 43, Pa, 1620 S 49 St Saratoga 7-2600

Fisher Chem Co, Inc, 355 Lexington Ave, N Y 17 Murray Hill 2-2587

Fisher Scientific Co, 711 Forbes Ave, Pittsburgh 19, Pa Express 1-1330
Buffalo 2, N Y, 170 Franklin St Washington 5305
Charleston 1, W Va, 1033 Quarrier St Bldg 3-0671
Chicago 51, Ill, 1458 N Lamon Ave Columbus 1-1221
Cleveland 14, O, 1950 E 6 St Main 1-8581
Detroit 26, Mich, 736 LaFayette Bldg Woodward 1-9711
Fair Lawn, N J, 1 Regent Lane SW 6-7100
Fort Worth 1, Tex, 2920 Shotts St ED 6-5418
Houston 6, Tex, 4102 Greenbrier Dr Jackson 3-6605
King of Prussia, Pa, Gulph Rd, Rte 23 Broadway 9-0500
Medford 55, Mass, 461 Riverside Ave Export 5-7800
N Y 14, 633 Greenwich St Watkins 4-7200
Odessa, Tex, W 27 & Westover
Silver Spring, Md, 7722 Woodbury Dr Juniper 7-7000

St Louis 18, Mo, 2850 S Jefferson Ave Mohawk 4-2624
Flamort Chem Co, 746 Natoma St, San Francisco 3, Cal Market 1-7825
Fleming Labs, Inc, 2205 Thrift Rd, P O Box 10372, Charlotte, N C FR 6-1742
(The) Flintkote Co, 30 Rockefeller Plaza, N Y 20 Plaza 7-5500
Florasynth Labs, Inc, 900 Van Nest Ave, N Y 62 Talmadge 8-6000
Chicago 6, Ill, 600 W Monroe St Franklin 2-3555
Cincinnati 2, O, 406 Elm St
Dallas, Tex, 9955 Bowman Blvd
Detroit, Mich, 405 W Savannah
Los Angeles 21, Cal, 2309 E 8 St Madison 7-7777
Memphis, Tenn, 466 Union Ave
Minneapolis 2, Minn, 904 Builders Exchange
New Orleans, La, 123 Crossman St
St Louis, Mo, 4030 Chouteau Bldg
San Francisco, Cal, 383 Brannan St Garfield 1-4994
Floridin Co, P O Box 989, Dept L, Tallahassee, Fla 224-2116
Dallas 6, Tex, 292 Meadows Bldg
N Y 22, 375 Park Ave
St Louis 5, Mo, 8000 Bonhomme Ave

►**FOOD MACHY & CHEM CORP,** P O Box 760, San Jose 6, Cal
Chems & Plastics Div, 161 E 42 St, N Y 17 Murray Hill 7-7400
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-8671

►**CHLOR-ALKALI DIV,** 161 E 42 St, N Y 17 MU 7-7400
Charlotte, N C, 1207 Liberty Life Bldg 7-1521
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-5169
Vancouver, Wash, P O Box 154 3-8631

►**MINERAL PRODUCTS DIV,** 161 E 42 St, N Y 17 Murray Hill 7-7400
Charlotte, N C, 1006 Liberty Life Bldg Franklin 7-1521
Chicago 2, Ill, 6 Michigan Ave Financial 6-2126
Cincinnati 2, O, 1101 Gwynne Bldg Main 1-5979
Houston, Tex, 6910 Fannin Bldg, Rm 622N Jackson 4-7425
Lawrence, Kans, P O Box 532 Viking 3-3880
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-5169
Newark, Cal, P O Box 337 Sycamore 3-1230
Phila, Pa, 908 Beury Bldg, 3701 N Broad St Baldwin 3-7901
Vancouver, Wash, P O Box 154 Cherry 6-2749
See also separate listings by divisions:
Becco Chem Div
Fairfield Chems Div
Niagara Chem Div

Foote Mineral Co, 18 W Chelten Ave, Phila 44, Pa Victor 8-4000
Foremost Food & Chem Co, Ft of Adeline St, Oakland, Cal Templebar 2-3882
Benjamin Foster Co, Div Amchem Products, Inc, 4635-37 W Girard Ave, Phila 31, Pa Trinity 8-8500
Houston 24, Tex, PO Box 19467 Capitol 5-4570
Franklin Glue Co, 119 W Chestnut St, Columbus 15, O CA 1-6527
Franklin Oil Corp, 34-40 S Park St, Bedford, O 2-3000
Freeman Chem Corp, 222 E Main St, Port Washington, Wis Atlas 4-5541
Freeman Industries, Inc, 109 Columbus Ave, Tuckahoe, N Y Woodbine 1-2100

►**FREEPORT SULPHUR CO,** 161 E 42 St, N Y 17 MU 7-8100
New Orleans 5, La, Commerce Bldg Express 4393
Alex Fries & Bro, Inc, 1403 Central Ave, Cincinnati 14, O MA 1-1163
Fries Bros Inc, Rte 17, Foot of Berry Ave, Carlstadt, N J Webster 3-2323
Fries & Fries, Inc, 110 E 70 St, Cincinnati 16, Ohio Valley 1-7200
N Y 28, 418 E 91 St Sacramento 2-2260
Fritzsche Bros, Inc, 76 9 Ave, N Y 11 Watkins 9-4100
Boston, Mass, 661 Washington St Norwood 7-3303
Chicago 40, Ill, 5537 N Clark St Longbeach 1-9271
Cincinnati 2, O, 2306 Carew Tower Main 1-5143
Decatur, Ga, 403 W Ponce de Leon Ave Drake 3-9452
Greensboro, N C, 1856 Pembroke Rd Broadway 3-0134
Los Angeles 17, Cal, 816 W 8 St Madison 7-8359
(Phila) Wynnewood, Pa, 7 E Wynnewood Rd Trinity 8-7030
St Louis 5, Mo, 8032 Forsythe Blvd Volunteer 3-3520
San Francisco 5, Cal, 395 Monadnock Bldg Garfield 1-0838
Frontier Chem Co, Div Vulcan Materials Co, P O Box 545, Wichita, Kans Whitehall 3-3263
Fuld Bros, Inc, 702 S Wolfe St, Baltimore 31, Md Broadway 6-7400
Los Angeles 13, Cal, 1256 Factory Pl Madison 9-2270
H B Fuller Co, 1150 Eustis St, St Paul, Minn Midway 6-8641
Atlanta, Ga, 655 Mead St, SE Market 2-3502
Buffalo 7, N Y, 1934 Elmwood Ave TR 5-6366
Chicago 22, Ill, 904 W Blackhawk St Michigan 2-6300
Cincinnati 23, O, 4020 Cherry St Mulberry 1-5420
Dallas, Tex, 2217 Laws St Riverside 7-7315
Detroit, Mich, 1069 Beaufait Lorain 7-5980
Kansas City, Kans, 200 Funston Rd Finley 2-3615
Linden, N J, 1201 Fuller Rd Wabash 5-2272
Los Angeles, Cal, 3250 Mines Ave Angeles 3-2113
Memphis 7, Tenn, 802 Royal Ave Jackson 6-4212
Portland, Ore, 3332 NW Yeon Ave Capitol 6-3493
S San Francisco, Cal, 57 S Linden Ave Plaza 6-5450
Tampa, Fla, 107 N 20 St 45814
Furane Plastics Inc, 4512 Brazil St, Los Angeles 39, Cal Chapman 5-1151
Arlington, Tex, P O Box 173 Ft Worth: Edison 5-9555
Massapequa, N Y, 40 Blyn Ave Pyramid 8-1110
(N Y C) Hempstead, L I, N Y, 42 Chasner St
Seattle, Wash, Rm 14, N Annex, King City Airport Mohawk 7990

G

Gallard-Schlesinger Chem Mfg Corp, 1001 Franklin Ave, Garden City, L I, N Y PI 1-7990
N Y C: Stillwell 6-0900
Gamma Chem Corp, 355 Lexington Ave, N Y 17 Murray Hill 2-2587
Gane's Chem Works, Inc, 535 5 Ave, N Y 17 Yukon 6-5780
Garan Chem Corp, 210 E Alondra Blvd, Gardena, Cal Davis 4-6116
Gates Engrg Co, 100 S West St, Wilmington 99, Del Olympia 6-9951
Geigy Agricultural Chem Div, Geigy Chem Corp, Saw Mill River Rd, Ardsley, N Y Greenleaf 8-3131
Geigy Dyestuffs Div, Geigy Chem Corp, Saw Mill River Rd, Ardsley, N Y Greenleaf 8-3131
Bayonne, N J, 39 Ave C FE 9-5600
Charlotte 8, N C, Bellhaven Blvd
Chattanooga, Tenn, 1203 E 23 St AN 7-2101
Chicago 46, Ill, 5677 N Northwest Hwy
Los Angeles 23, Cal, 3529 E Olympic Blvd AN 3-3855
Newton Upper Falls 64, Mass, 33 Industrial Pl DE 2-0880
Phila, Pa, 1120 Orthodox St CU 8-0365
Portland, Ore, 1416 N W Hoyt CA 7-4167
Geigy Industrial Chems Div, Geigy Chem Corp, Box 430, Yonkers, N Y Greenleaf 8-3131
Baytown, Tex, 442 Burnett Dr TH 5-2144
Chicago 6, Ill, 5677 N Northwest Hwy SP 5-2100
Cleveland, O, 1010 Euclid Bldg CH 1-4290
Los Angeles 23, Cal, 3529 E Olympic Blvd Angelus 3-3855
Phila, Pa, 3901 M St CU 8-0365
Providence, R I, P O Box 55, Edgewood Station Williams 1-3000
General Aniline & Film Corp, 435 Hudson St, N Y 14 Watkins 4-0600
See separate listings by divisions:
Antara Chems
Collway Pigments Div
General Dyestuff Co
General Chem Div see Allied Chem Corp
General Color Co, Div H Kohnstamm & Co, Inc, 24 Ave B, Newark 5, N J BI 8-2575
General Dyestuff Co, Div General Aniline & Film Corp, 435 Hudson St, N Y 14 Watkins 4-0600
Charlotte 1, N C, 2459 Wilkinson Blvd Edison 3-4121
Chattanooga 7, Tenn, 4301 Rossville Blvd Madison 9-3282
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-7321
Melrose Park, Ill, 1950 N Hawthorne Ave Murray 1-3880
Phila 2, Pa, 42 S 15 St Locust 3-2838
Portland 10, Ore, 3322 NW 35 Ave Capitol 8-3365
Providence 3, R I, 85 Tockwotton St Gaspee 1-1585
S San Francisco 7, Cal, 206 Utah Ave Juneau 9-6500
General Elec Co, Chem Materials Dept, CW, 1 Plastics Ave, Pittsfield, Mass Hillcrest 8-8223
Chicago 80, Ill, 840 S Canal St Wabash 2-5611
Dayton 2, O, 601 E 3 St Baldwin 4-0781
Detroit 1, Mich, 2211 Woodward Ave Woodward 3-7811
Downey, Cal, 10234 Lakewood Blvd Spruce 3-3144
Drexel Hill, Pa, 5050 State Rd Clearbrook 9-2131
N Y 22, 570 Lexington Ave Plaza 1-1311
Phila 2, Pa, 1405 Locust St Pennypacker 5-9028
San Mateo, Cal, 220 E 3 Ave Diamond 2-6044
General Elec Co, Silicone Products Dept, Dept CW Waterford, N Y Adams 8-3330
Boston, Mass, 145 N Beacon St Algonquin 4-5318
Bridgeport, Conn, 1285 Boston Ave Edison 4-1012
Chicago 80, Ill, 840 S Canal St Wabash 2-5611
Cleveland, O, 1507 Brookpark Rd Shadyside 9-2700
Dallas, Tex, 6500 Cedar Springs Fleetwood 1-3725
Detroit, Mich, 2211 Woodward Ave Woodward 3-7811
Downey, Cal, 8555 E Florence Ave Spruce 3-3144
Greensboro, N C, 1801 Pembroke Rd Broadway 3-0051
Jacksonville, Fla, 6661 Shady Oak Dr Elgin 5-6633
Newark, N J, 254 Elizabeth Ave Bigelow 3-3662
Phila, Pa, 1405 Locust St Pennypacker 5-9028
St Louis, Mo, 2375 Hampton Ave
San Mateo, Cal, 220 E 3 St
General Latex & Chem Corp, 666 Main St, Cambridge 39, Mass University 4-7750
Ashland, O, E 9 & Rte 42 Ashland 4-1518
Charlotte, N C, 2321 N Davidson St Franklin 6-3582
Dalton, Ga, P O Box 690 Broadway 8-3622
General Magnesite & Magnesia Div, Philip Carey Mfg Co, 120 E 41, N Y
General Metallic Oxides Co, 164-166 1 St, Jersey City 2, N J Oldfield 3-2536
General Mills, Inc
Chemical Div, S Kensington Rd, Kankakee, Ill Wells 2-6751
Boston, Mass, 214 Harvard Ave Beacon 2-7717
Charlotte, N C, 1901 Freedom Dr 375-3272
Cleveland 16, O, 20575 Center Ridge Rd Edison 3-1688
Detroit 35, Mich, 15800 W McNichols Rd Vermont 7-3104
Houston 2, Tex, 821 Chelsea Blvd Jackson 3-1601
N Y 38, 156 William St Cortlandt 7-6700
Oakland, Cal, 801 E 10 St Templebar 4-8400
Phila 51, Pa, 1445 City Line Ave Midway 9-2400
(St Louis) Clayton 5, Mo, 34 N Brentwood Blvd Parkview 1-6141
Whittier, Cal, 1220 Workman Mill Rd Oxford 2-7771
Specialty Products Div, 9200 Wayzata Blvd, Minneapolis 26, Minn LI 5-2811
Park Ridge, Ill, 460 S Northwest Hwy Talcott 5-1133
Valley Stream, L I, N Y, 108 S Franklin Ave 5-5152
Whittier, Cal, 1220 Workman Mill Rd Oxford 2-7771
General Tire & Rubber Co, Chem Div, 1708 Englewood Ave, Akron 9, O Republic 3-6311

►**GEORGIA KAOLIN CO,** 513 Pennsylvania Ave, Elizabeth 3, N J 2-9800
N Y 17, 230 Park Ave MU 6-1397
(The) Georgia Marble Co, Calcium Products Div, Dept CW, Tate, Ga 211
Gering Plastics, Div Studebaker-Packard Corp, N 7 St & Monroe Ave, Kenilworth, N J Bridge 6-2900
Chicago, Ill, 5143 W Diversey Ave National 2-0836
Holden, Mass, 103 Holden St Pleasant 4-2996
Los Angeles 21, Cal, 1855 Industrial St Madison 3-3590
Los Altos, Cal, 426 Los Ninos Way WH 8-5487
Mansfield, O, 1115 Larchwood Rd Skyline 6-2756
Minneapolis 40, Minn, PO Box 963 Union 9-7919
Portland 30, Ore, 16248 NE Glisan Way Alpine 3-2782
Sarasota, Fla, 2141 Sunnyside Pl RI 6-4448
Gibsonburg Lime Products Co, Gibsonburg, O 637-2101
Gill Chem Products, Inc, 366 Oakland St, Bklyn 22, N Y EV 3-4399
Girdler Catalysts, Chem Products Div, Chemetron Corp, 2820 W Bway, P O Box 337, Louisville, Ky EM 6-9541
Chicago 11, Ill, 840 N Michigan Ave Whitehall 4-3100
Houston 25, Tex, 4007 Bellaire Blvd Mohawk 4-3987
N Y 16, 386 Park Ave S Murray Hill 3-4030
Givaudan-Delawanna, Inc, 321 W 44 St, N Y 36 Circle 5-0300
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago 31, Ill, 6778 Northwest Hwy Newcastle 1-9090
Cincinnati, O, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles 35, Cal, 6022 W Pico Blvd Webster 9-3101
Phila, Pa, 18 W Chelten Ave Victor 3-8712
Seattle, Wash, 2616 1 Ave Main 4-1202
Givaudan Flavors, Inc, 321 W 44 St, N Y 36 Circle 5-0300
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago 31, Ill, 6778 Northwest Hwy Newcastle 1-9090
Cincinnati, O, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles 35, Cal, 6022 W Pico Blvd Webster 9-3101
Phila, Pa, 18 W Chelten Ave Victor 3-8712
Seattle, Wash, 2616 1 Ave Main 4-1202
Globe Chem Co, Inc, Murray Rd & Big 4 RR, Cincinnati 17, O Avon 1-7400
Columbus 19, O, 648 Concrea Rd Belmont 1-3671
Dayton 4, O, 967 Deeds Ave Baldwin 2-4035
Indianapolis 21, Ind, 1120 S Harding St Melrose 2-8546
Louisville, Ky, 105 N 15 St Juniper 7-6506
Glogau & Co, Inc, 1914 Birchwood Ave, Chicago 26, Ill Ambassador 2-3652
Glyco Chems, Div Chas L Huisking & Co, Inc, 417 5 Ave, N Y 16 Oregon 9-8400
Chicago 11, Ill, 435 N Michigan Ave Whitehall 4-5747
Gold Leaf & Metallic Powders, Inc, 145 Nassau St, N Y 38 Cortlandt 7-7395
Goldschmidt Chem Corp, 153 Waverly Pl, N Y 14 Chelsea 3-4792
Goldsmith Bros, Div National Lead Co, 900 W 18 St Chicago 8, Ill Canal 6-3700
D F Goldsmith Chem & Metal Corp, 1020 S Wabash Ave, Chicago, Ill WA 2-5884
B F Goodrich Chem Co, 3135 Euclid Ave, Cleveland 15, O Utah 1-8200
Atlanta 9, Ga, 1430 W Peachtree St Trinity 5-5642
(Boston) Chestnut Hill 67, Mass, 200 Boylston St Woodward 9-9020
Chicago 1, Ill, 2116 Prudential Bldg Superior 7-3214
Los Angeles 15, Cal, 1113 Petroleum Bldg, 714 W Olympic Blvd Richmond 9-9157
N Y 17, 415 Madison Ave Templeton 8-8600
Washington 6, D C, 1112 19 St N W Republic 7-3414
Goodrich-Gulf Chems, Inc, 1717 E 9 St, Cleveland 14, O Tower 1-3500
Chicago 39, Ill, 6272 W North Ave National 2-3722

N Y 17, 200 E 42 St, Rm 2710 Murray Hill 7-4255
Goodyear Tire & Rubber Co, Chem Div, 1144 E Market St, Akron 10, O Franklin 6-1411
Atlanta 5, Ga, 2755 Piedmont Rd Cedar 7-4611
Boston, Mass, 66 B St Hillcrest 4-3900
Charlotte 8, N C, 929 Jay St Edison 3-1161
Chicago 10, Ill, 141 W Ohio St Michigan 2-8800
Cleveland, O, P O Box 326, Berea CL 2-3000
Detroit 11, Mich, 6500 Mt Elliott Ave Walnut 1-7900
East Hartford 8, Conn, 180 Goodwin St Butler 9-3424
Houston 20, Tex, 5544 Armour Dr Walnut 3-5541
Los Angeles 22, Cal, 6666 E Washington Blvd Raymond 3-3611
Minneapolis 1, Minn, 5100 W 35 St Sterling 9-3551
N Y 22, 400 Park Ave Plaza 1-6000
Phila 32, Pa, 2750 N Broad St Baldwin 8-8500
Portland, Ore, 2720 N W 35 Ave Capital 6-2951
St Louis 8, Mo, 8544 Page Blvd Harrison 9-4000
San Francisco 3, Cal, 1717 Harrison St Underhill 1-3773
W R Grace & Co, 7 Hanover Sq, N Y 5 Digby 4-1200
See separate listings by divisions:
Davison Chem Div
Dewey & Almy Chem Div
W R Grace & Co, Nitrogen Products Div
W R Grace & Co, Polymer Chems Div
Hatco Chem Div
W R Grace & Co, Nitrogen Products Div, 147 Jefferson Ave, Memphis 3, Tenn Jackson 7-1551
Charlotte, N C, 1402 E Morehead St FR 6-3329
Chicago 1, Ill, 75 E Wacker Franklin 2-6424
N Y 5, 7 Hanover Sq Digby 4-1200
St Louis 5, Mo, Room 106, Clayton Forsythe Bldg PA 7-1715
W R Grace & Co, Polymer Chems Div, 225 Allwood Rd, Clifton, N J Gregory 2-6000
Chicago 45, Ill, 3555 W Peterson Ave Irving 8-7036
Los Angeles 58, Cal, 4814 Loma Vista Ave Ludlow 3-5115
Grain Processing Corp, 1600 Oregon St, Muscatine, Iowa Amherst 3-1321
Gray Chem Inc, 105 Maplewood Ave, Gloucester, Mass 1120
Great Lakes Carbon Corp, Dicalite Dept, 612 S Flower St, Los Angeles 17, Cal Madison 9-1611
Atlanta 3, Ga, 32 Peachtree St, N W Jackson 5-1277
(Boston) Needham 92, Mass, 16A Eaton Sq Hillcrest 4-1950
Buffalo 3, N Y, 975 Fuhrman Blvd Triangle 5200
Chicago 1, Ill, 333 N Michigan Ave Franklin 2-5445
Cincinnati 37, O, 1717 Section Rd Redwood 1-9752
Cleveland 16, O, 19115 S Detroit Rd Edison 1-4500
Houston 2, Tex, 1404 Esperson Bldg Capitol 5-6501
New Orleans 12, La, 210 Baronne St Magnolia 3772
N Y 17, 18 E 48 St Eldorado 5-6200
(Phila) Upper Darby, Pa, 228 Long Lane Flanders 2-1444
St Louis 5, Mo, 7811 Cardondelet St Parkview 5-8864
San Francisco 5, Cal, 55 New Montgomery St Sutter 1-3204
Walteria, Cal, P O Box 1307 Oregon 8-5818
Great Lakes Chem Corp, Suite 2026, 500 5 Ave, N Y 36 Longacre 5-2730
Filer City, Mich Parkview 3-3571
W Lafayette, Ind, 204-206 South St Riverside 3-3856
►**R W GREEFF & CO, INC,** 10 Rockefeller Plaza, N Y 20 Circle 6-9680
Chicago 11, Ill, 1721 Tribune Tower Bldg Whitehall 4-6960
A Gross & Co, 295 Madison Ave, N Y 17 Murray Hill 3-7361
Charlotte, N C, 4001 Raleigh St Edison 3-0737
Newark 5, N J, 652 Doremus Ave
Guard Chem Co, N Water St, Ossining, N Y Wilson 1-4593
NYC: KI 8-1440
Guardian Chem Corp, 38-15 30 St, LIC 1, N Y EX 2-4020
►**GULF OIL CORP, PETROCHEM SALES OFFICE,** 360 Lexington Ave, N Y 17 Yukon 6-0880
Houston 1, Tex, PO Box 2140, Gulf Bldg

H

HEF, Inc, 18 W Chelten Ave, Phila 44, Pa VI 4-4014
Hagan Chems & Controls, Inc, 200 Hagan Center, PO Box 1346, Pittsburgh 30, Pa MU 2-3737
Halby Chem Co, Inc, Wilmington 99, Del OL 6-5428
Halby Products Co, Inc, Wilmington 99, Del OL 6-5428
Hall Chem Co, 28961 Lakeland Blvd, Wickliffe, O WH 4-1770
C P Hall Co, 414-418 S Bway, Akron 8, O Jefferson 5-5175
Chicago 38, Ill, 5245 W 73 St Portsmouth 7-4600
Los Angeles 21, Cal, 1340 E 6 St Madison 2-2022
Memphis 3, Tenn, 648 Riverside Dr Jackson 6-8253
Newark 5, N J, Bay Ave & Wheeler Point Rd MI 3-2641
Oakland, Cal, 95 Market St Glencourt 1-4722
Halocarbon Products Corp, 82 Burlews Court, Dept CW, Hackensack, N J Diamond 3-8703
Halogen Chems Inc, 1505 Charlton Dr, Columbia 3, S C
W A Hammond Drierite Co, 120 Dayton Ave, Xenia, O DR 2-6101
Hampshire Chem Corp, 27A Poisson Ave, Nashua, N H Tuxedo 3-7727
Harchem Div, Wallace & Tiernan Inc, 25 Main St, Belleville 9, N J Plymouth 9-8000
Astoria, L I N Y, 18-22 21 Ave Yellowstone 2-7570
Cincinnati, O, 4045 Leesburg Lane Bramble 1-8434
Dover, O, 1717 Tremont St Dover 5-4635
Haddonfield, N J, 13 Sunset Dr Hazel 9-8171
Houston, Tex, 1426 Castle Ct Jackson 3-2058
New Britain, Pa, Alms House Rd Filmore 8-9849
Park Forest, Ill, PO Box 193 Skyline 6-0500
Rockleigh, N J Eagle Hill (Northvale P O) Poplar 8-3539
S Hadley Falls, Mass, 18 N Main St Jefferson 4-0178
H V Hardman Co, Inc, 571 Cortlandt St, Dept CM, Belleville 9, N J Plymouth 9-1242
M W Hardy & Co, Inc, 141 Bway, N Y 6 Worth 4-1550
►**HARSHAW CHEM CO,** 1945 E 97 St, Cleveland 6, O Randolph 1-8300
Chicago 32, Ill, 4925 S California Ave Republic 7-1008
Cincinnati 13, O, 6265 Wiehe Rd Redwood 1-9100
Detroit 28, Mich, 9240 Hubbell Ave Vermont 6-6300
Hastings-on-Hudson 6, N Y 5-8250
N Y C: Lorraine 2-6250
Los Angeles 22, Cal, 3237 S Garfield Ave Raymond 3-3161
Phila 48, Pa, Jackson & Swanson Sts Howard 2-4700
Pittsburgh 22, Pa, 6 St & Ft Duquesne Blvd Atlantic 1-7930
Hart Products Corp, 1440 Bway, N Y C Pennsylvania 6-3236
Hartman-Leddon Co, 60 & Woodland Ave, Phila 43, Pa SA 6-9600
Harwick Standard Chem Co, 60 S Seiberling St, Akron 5, O Stadium 4-0481
Albertville, Ala, Old Guntersville Hwy 1485
Boston 16, Mass, 661 Boyiston St Copley 7-1860
Chicago 25, Ill, 5717 N Elston Ave Spring 5-4434
Greenville, S C, 1 Nottingham Rd Cedar 5-0871
Oakland 8, Cal, 4001 Hollis St Olympic 4-8950
Pico Rivera, Cal, 7225 Paramount Blvd Raymond 3-9911
Trenton 9, N J, 2595 E State St Juniper 7-0300
Hastings Plastics, Inc, 1704 Colorado Ave, Santa Monica, Cal Upton 0-8503
Hatco Chem Div, W R Grace & Co, King George Post Rd, Fords, N J Valley 6-6262
Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal Bradshaw 2-4346
Haveg Industries, Inc, Plastics Park, Wilmington 8, Del Wyman 8-2271
Atlanta, Ga, 3230 Peachtree Rd NE Cedar 7-3821
Bellaire, Tex, 5119 Bellaire Blvd Mohawk 7-6519
Denver, Colo, 1795 Sheridan St Belmont 7-0433
Norwalk, Cal, 12827 E Imperial Hwy Oxbow 3-1710
Portland 14, Ore, Weatherly Bldg Belmont 4-1561
Seattle 4, Wash, 1731 1 Ave S Main 9006
Solon, O, 33840 Aurora Rd Churchill 8-6194
Westfield, N J, 101 Central Ave Adams 2-7383
Wheaton, Ill, 130 W Liberty Dr 8-9530
Hayden Mica Co, Inc, 639 Main St, Wilmington, Mass Oliver 8-2310
Hayes-Sammons Chem Co, 720 Holland Ave, Mission, Tex JU 5-1603
Indianola, Miss, P O Box 30 1111
Hazelton-Nuclear Science Corp, Dept CW 4062 Fabian Way, Palo Alto, Cal DA 6-7500
Heico, Inc, 25-27 N 6 St, Stroudsburg, Pa Hamilton 1-7000
Helmar Chem Corp, 126 Buckingham Rd, Yonkers 2, N Y 5-1249
Henley & Co, Inc, 202 E 44 St, N Y 17 Yukon 6-5544
J F Henry Chem Co, Inc, 4 Station Sq, Rutherford, N J Webster 9-7100
NYC: Bryant 9-7283
Hercules Powder Co, Hercules Tower, 910 Market St, Wilmington 99, Del Olympia 6-9811
Akron 8, O, 7 W Bowery St Hemlock 4-3159
Atlanta 3, Ga, 134 Peachtree St Jackson 2-3201
Beaumont, Tex, 480-98 Orleans St Terminal 2-7709
Birmingham 3, Ala, 17 N 20 St Alpine 2-0293
Boston 16, Mass, 200 Berkeley St Liberty 2-2842
Charlotte, N C, 1214 Wachovia Bank Bldg Edison 3-7133
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-5230
Cincinnati 2, O, 2610 Carew Tower Dunbar 1-6668
Cleveland 13, O, 55 Public Sq Superior 1-4335
Dallas, Tex, Fidelity Union Life Bldg Riverside 1-3418
Detroit 2, Mich, 1900 Fisher Bldg Trinity 2-1760
Duluth, Minn, 314-316 W Superior St Randolph 2-4796
Glenn Falls, N Y RX 2-5831
Greenville, Miss, 216 Rode Center Bldg Edison 2-0594
Holyoke, Mass, P O Box 308 Jefferson 6-6426
Houston 6, Tex, 3520 Montrose Blvd Jackson 9-3213
Joplin, Mo, 404 Main St Mayfair 4-4183
Kalamazoo 99, Mich, 411 Hercules Ave Fireside 3-6161
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 7-8151
Milwaukee, Wis, 5228 N Hopkins St Hopkins 1-4000
New Orleans 12, La, 830 Saratoga Bldg Jackson 2-9908
N Y 17, 380 Madison Ave Oxford 7-0010
(Phila) Bala Cynwyd, Pa, 1 Bala Ave Mohawk 4-6010
Pittsburgh, Pa, 2 Gateway Ctr Grant 1-6171
Portland 8, Ore, P O Box 3939 Capital 6-3843
Raleigh, N C, Cameron Bldg Temple 3-4413
St Louis 5, Mo, 111 S Bemiston Ave Parkview 7-5571
Salt Lake City, Utah, 136 S Main St Empire 4-5513
San Francisco 4, Cal, 120 Montgomery St Yukon 6-2535
Heresite & Chem Co, 822 S 14 St, Manitowoc, Wis Murray 4-6646
Garwood, N J, 546 South Ave Sunset 9-1816
Hexagon Labs, Inc, 3536 Peartree Ave N Y 69 FA 4-7550
Hexcel Products Inc, 130 Penn St, El Segundo, Cal SP 2-2207
Berkeley, Cal, 2332 4 St TH 3-4664
Fort Worth, Tex, 3309 Winthrop PE 7-7277
Havre De Grace, Md
Inglewood, Cal, 1025 W Arbor Vital OR 8-4121
Heyden Newport Chem Corp, 342 Madison Ave, N Y 17 Murray Hill 2-7600
Chicago 6, Ill, 20 N Wacker Dr State 2-6480
Cincinnati 6, O, 1433 E McMillon St Plaza 1-3837
Detroit 1, Mich, 10600 Puritan Ave Diamond 1-8237
Houston 5, Tex, P O Box 6851
Los Angeles 12, Cal, 1001 E 1 St Mutual 8184
Newark 12, N J, 1 Virginia St Bigelow 2-8504
Providence, R I, 511 Westminster St Gaspee 1-1464
Wynnewood, Pa, 7 Wynwood Rd
Highside Chems Inc, 5 Colfax Ave, Clifton, N J Prescott 7-0626
(The) Hilton-Davis Chem Co, Div Sterling Drug Inc, 2235 Langdon Farm Rd, Cincinnati 13, O Elmhurst 1-1300
Greenville, S C, Wade Hampton Blvd Cedar 2-1562
Newark 5, N J, 120 Lister Ave Market 3-7308
Providence, R I, 3 Brayton Ave Plantations 1-9800
Hi-Test Chem Corp, 722 64 St, Bklyn 20, N Y Terrace 6-5991
Hodag Chem Corp, 7247 N Central Park Ave, Skokie, Ill OR 5-3950
Appleton, Wis, 402 E Pacific St
Berkeley, Cal, P O Box 3011
(Kalamazoo) Richland, Mich, P O Box 177
Hoffman Labs, Inc, 2460 W Bennett St Rd, Box 1246, SSS, Springfield, Mo University 5-2851
Los Angeles 48, Cal, 8417 Beverly Blvd Olive 1-3260
Roselle, N J, 459 E 1 Ave Chestnut 1-0122
Hoffmann-La Roche, Inc, Kingsland Rd, Nutley 10, N J NO 7-5000
Atlanta, Ga, 580 Somerset Terrace N E Trinity 6-5573
Dallas, Tex, 3304 Manor Way Fleetwood 2-7526
Oakland 3, Cal, 1031 98 Ave Neptune 2-4324
Skokie, Ill, 3435 Madison St Orchard 4-9830
Chicago: Juniper 8-1101
Holland Color & Chem Co, 492 Douglas Ave, Holland, Mich Export 2-2391
►**HOOKER CHEM CORP,** 1200 47 St, Niagara Falls, N Y Butler 5-6655
Buffalo 2, N Y, 120 Delaware Ave TL 3-7525
Chicago 2, Ill, 1 N LaSalle St Central 6-1311
Detroit 2, Mich, 503 Stephenson Bldg Trinity 3-3133
Los Angeles 2, Cal, 6277 E Slauson Ave Overbrook 5-8910
N Y 19, 666 5 Ave Plaza 7-9600
Phila 3, Pa, 6 Penn Center Plaza Locust 7-2180
Tacoma 1, Wash, P O Box 1646 Fulton 3-2661
Worcester 1, Mass, 265 Grafton St Pleasant 2-1597
►**PHOSPHOROUS DIV,** P O Box 326, Dept CWB, Jeffersonville, Ind Butler 2-1381
Houston 2, Tex, 1230 Esperson Bldg Capital 2-9711
N Y 19, 666 5 Ave Plaza 7-9600
See also separate listing by division:
Durez Plastics Div
Hostachem Corp, 270 Sheffield St, Mountainside, N J AD 2-9550
Chicago 4, Ill, 141 W Jackson Blvd WA 2-1046
N Hollywood, Ca, 6850 Tujunga Ave TR 7-9913
Hostawax Co, 270 Sheffield St, Mountainside, N J Adams 2-9550
Houdry Process Corp, 1528 Walnut St, Phila 2, Pa Pennypacker 5-9490
E F Houghton & Co, 303 West Lehigh Ave, Phila 33, Pa RE 9-7100
Baltimore 23, Md, 6 S Schroeder St Saratoga 7-2388
Carrollton, Ga, 421 Garrett St Terrace 2-3507
Chicago 6, Ill, 222 W Adams St DE 2-3818
Cleveland 2, O, 4500 Euclid Ave EN 1-3567
Detroit 2, Mich, 803 Stephenson Bldg TR 3-4900
Houston 2, Tex, 701 N San Jacinto St Fairfax 3-2670
Kensington, Conn, 10 Main St Valley 8-4179

Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-5242
Milwaukee 2, Wis, 10031 W Lisbon Ave Hopkins 2-0770
N Y 36, 55 W 42 St Longacre 4-4287
Pittsburgh 22, Pa, 401 Bessemer Bldg Atlantic 1-8759
Portland 14, Ore, 717 SE Main St Belmont 6-9080
St Louis 26, Mo, Rm 313, 9705 Hwy 66 Yorktown 6-2525
Seattle 4, Wash, 90 Dearborn St Main 2-7961
S San Francisco, Cal, 54 Tanforan Ave JU 9-2275

Houston Chem Corp, 200 Madison Ave, N Y 16 Oregon 9-6230
Chicago, Ill, 333 N Michigan Ave
Houston, Tex, Americana Bldg

Howe & French Inc, 99 Broad St, Boston 10, Mass Hancock 6-5910

J M Huber Corp, Dept BG, 630 3 Ave, N Y 17 Yukon 6-8484
Akron, O, 611 W Market St Blackstone 3-7728
Appleton, Wis, 103 W College Ave Regent 4-9248
Baton Rouge, La, 1234 Melanie St Walnut 4-2346
Buffalo 23, N Y, 48 Neuman Pkwy TR 7-3956
Houston 24, Tex, 12915 Memorial Dr Homestead 8-7044
Huber, Ga, Twiggs City Sherwood 5-4751
Kalamazoo, Mich, 1501 American Natl Bank Bldg Fireside 5-1737
La Grange, Ill, Box 309 Hunter 5-1250
Syracuse 7, N Y, 15 Centennial Dr GR 8-6942
Watertown 72, Mass, 123 Water St Watertown 3-1013

Hubinger Co, 601 Main St, Keokuk, Iowa 524-4151
Boston 9, Mass, 192 State St Capitol 7-3268
Chicago 1, Ill, 35 E Wacker Dr Andover 3-3535
Los Angeles 14, Cal, 617 S Olive St Madison 4-3441
N Y 36, 500 5 Ave Longacre 5-4343
Phila 6, Pa, Public Ledger Bldg Walnut 5-4686

Hughes Glue Co, 3508 St Aubin Ave, Detroit 7, Mich Temple 1-1777

Chas L Huisking & Co, Inc, 417 5 Ave, N Y 16 OR 9-8400
Chicago 11, Ill, 333 N Michigan Ave Whitehall 4-5747

Hukill Chem Corp, 25002 Bway, Cleveland 13, O Cherry 1-7495

►**HUMKO PRODUCTS CHEM DIV, NATIONAL DAIRY PRODUCTS CORP**
Sterick Bldg, P O Box 398, Memphis, Tenn Jackson 5-6521
Atlanta 3, Ga, 333 Candler Bldg Murray 8-2818
Chicago, Ill, 520 N Michigan Ave Superior 7-3270
Clifton, N J, 501 Alwood Rd Prescott 3-7400
N Y C, 60 E 42 St Oxford 7-2372
Phila, Pa, 1315 Walnut St Kingsley 5-2802
Seal Beach, Cal, 1629 Seal Way Hemlock 5-7572

Hummel Chem Co, Inc, 140 Cedar St, N Y 6 Barclay 7-6630

►**HUMPHREY-WILKINSON, INC,**
Devine St, North Haven, Conn AT 8-3883

Philip A Hunt Co, Ft of Roosevelt Pl, Palisades Park, N J Windsor 4-4000
Atlanta, Ga, 1734 Candler Bldg Murray 8-4944
Cambridge, Mass, 111 Binney St Trowbridge 6-7050
Chicago 47, Ill, 2108 W Fullerton Ave Humboldt 6-8500
Cleveland 25, O, 5150 Grant Ave Diamond 1-9132
Dallas 2, Tex, 2 Unit Santa Fe Bldg Riverside 8-2279
Detroit 11, Mich, 3690 Dun Rd Walnut 5-5130
Los Angeles 58, Cal, 2252 E 37 St Ludlow 2-8136
(NYC) LIC, 47-20 30 St Empire 1-9500
San Francisco 11, Cal, 420 Market St Yukon 6-4761
Seattle 4, Wash, 1000 4 Ave S Main 4-6653
Washington 5, DC, 734 15 St, NW Executive 3-3872

Hysol Corp, 322 Houghton Ave, Olean, N Y FR 2-6300

I

Ideal Chem & Supply Co, P O Box 5597, 1301 Heistan Ave, Memphis 4, Tenn Broadway 6-7331

Illinois Clay Products Co, 62 N Chicago St, Joliet, Ill Saratoga 6-5308
Chicago 3, Ill, 208 S La Salle St Dearborn 2-6013

Illinois Minerals Co, 807½ Washington Ave, Cairo, Ill 72

Imperial Adhesives, Inc, 6315 Wiehe Rd, Cincinnati 13, O Redwood 1-8920

Imperial Color Chem & Paper Dept, Hercules Powder Co, Inc, Lower Warren St, Glens Falls, N Y RX 2-5831
Atlanta, Ga, 650 Murphy Ave SW Plaza 5-3295
Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-6010
Boston 16, Mass, 1002 Statler Bldg Hubbard 2-1934
Chicago 9, Ill, 3801 S Ashland Ave Lafayette 3-4900
Cincinnati 2, O, 608 American Bldg Cherry 1-1954
Cleveland 15, O, 53 Bulkley Bldg Cherry 1-4575
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-1321
Houston 1, Tex, 1601 Sawyer St Capitol 7-3149
Los Angeles 31, Cal, 639 Antonia Ave Capitol 5-5452
N Y 22, 515 Madison Ave Eldorado 5-0717
St Louis 10, Mo, 3937 Park Ave Mohawk 4-0599
San Francisco 5, Cal, 55 New Montgomery St Yukon 2-2250

Indium Corp of America, 1676 Lincoln Ave, P O Box 269, Utica 4, N Y Swift 7-1630
N Y 17, 60 E 42 St Murray Hill 2-8088

Indussa Corp, 511 5 Ave, N Y 17 MU 2-4680
Houston 2, Tex, 701 Montrose Jackson 6-4687
San Francisco 3, Cal, 503 Market St Exbrook 2-7315

Industeel, 37 St & AVRR, Pittsburgh 1, Pa Museum 2-0866

Industrial Adhesive Co, 2500 Caroline St, Dallas 4, Tex Riverside 1-5431
New Orleans 8, La, 748 Orange St EX 3324

Industrial Biochems, Inc, US Hwy 1, Edison, N J LI 8-1444

Industrial Chem & Dye Co, 239 Bway, N Y 7 Cortlandt 7-2303

Industrial Chem Specialties Co, P O Box 456, Baytown, Tex 426-3413

Industrial Dyestuff Co, Massasoit Ave, P O Box 4249 E Providence 14, R I Geneva 4-0940

Industrial Materials Co, Buck & McCall Sts, Houston 10, Tex CA 7-6098

Industrial Minerals, Inc, 3 S Congress St, York, S C Murray 4-6661

Industrial Raw Materials Corp, 575 Madison Ave, N Y 22 Murray Hill 8-8080

(The) Inerto Co, 1489 Folsom St, San Francisco 3, Cal Hemlock 1-0145

Inertol Co, Inc, 476-86 Frelinghuysen Ave, Newark 12, N J Bigelow 3-2000
Chicago 10, Ill, 461 W Erie St Whitehall 3-2500
Marlton, N J, Rtes 70, 73 Eastgate 1-0115
San Francisco, Cal, Suite 25, 27 S Park Sutter 1-4475

Inland Alkaloid, Inc, P O Box 888, Tipton, Ind OS 5-4895

Inland Steel Co, 30 W Monroe St, Chicago 3, Ill Financial 6-0300

O G Innes Corp, 10 E 40 St, N Y 16 Oregon 9-6180

Interchem Corp, Color & Chems Div, 150 Wagaraw Rd, Hawthorne, N J 7-6700
Chicago 30, Ill, 5306 W Lawrence Ave Spring 7-2258
Elyria, O, Elyria Savings & Trust Bldg Fairfax 2-5729
Pawtucket, R I, P O Box 555 Pawtucket 5-4850
Rock Hill, S C, P O Box 391 Rock Hill 3141

Interchem Corp, Finishes Div, 224 McWhorter St, Newark 5, N J Mitchell 2-8300
Chicago 38, Ill, 6540 S Laramie Ave Portsmouth 7-4221
Cincinnati 7, O, 1754 Dana Ave Melrose 1-5705
Cleveland 2, O, 1325 W 73 St Atlantic 1-9700
Los Angeles 13, Cal, 590 Santa Fe Ave Madison 5-1141
St Louis, Mo, 4168 Meramec St Townsend 5-1717
San Francisco 5, Cal, 461 Market St Exbrook 7-1087

Inter-coastal Paint Corp, 1308 Walnut E St Louis, Ill BR 1-6320
Baltimore, Md, 2320 Edgewater Ave Medford 3-8100
San Leandro, Cal, 2411 Washington Ave Neptune 2-3813

International Flavors & Fragrances Inc, 521 W 57 St, **N Y 19** Circle 6-2700
Chicago 6, Ill, 201 N Wells St Randolph 6-1393
Elizabeth 2, N J, 417 Rosehill Pl
Los Angeles 36, Cal, 7461 Beverly Blvd Webster 3-8393

International Graphite & Electrode Div, Speer Carbon Co, Theresia St, St Marys, Pa TE 4-2801

►**INTERNATIONAL MINERALS & CHEM CORP,** Old Orchard Rd, Skokie, Ill Yorktown 6-3000

►**AGRICULTURAL CHEMS DIV,** 5041 Old Orchard Rd, Skokie, Ill
Atlanta, Ga, 1325 Fulton National Bank Bldg Jackson 3-1603
Indianapolis, Ind, 300 E Fall Creek Blvd **Walnut 5-5382**
Midland, Tex, Fidelity Union Life Ins Bldg Mutual 2-5207
Minneapolis, Minn, 1 National Bank-Soo Line Bldg, Rm 731 Federal 3-7294
N Y 17, 485 Lexington Ave Oxford 7-4040
Shreveport, La, 418 Market St, Suite 504 3-0588

►**AMINO PRODUCTS DIV,** 5401 Old Orchard Rd, Skokie, Ill Orchard 6-3000
N Y 17, 485 Lexington Ave (Fine Chems) Oxford 7-4040

►**INDUSTRIAL MINERALS DIV,** 5401 Old Orchard Rd, Skokie, Ill Orchard 6-3000
Columbia, Mo, 507 Edgewood
E Liverpool O, P O Box 785
Jackson O, 319 Walnut St 307
Trenton, N J, P O Box 1843

►**PLANT FOOD DIV,** Old Orchard Rd, Skokie, Ill Orchard 6-3000
Albany, Ga, P O Box 7 Hemlock 6-3391
Buffalo, N Y, P O Box 21, Sta A Taylor 1888
Chicago Hts, Ill, P O Box 277
Cincinnati, O, P O Box 67 Skyline 4-1140
Clarksville, Tenn, P O Box 69 Valley 1-3570
East Point, Ga, P O Box 69 Midway 7-1519
Florence, Ala, P O Box 158 Poplar 1-6643
Fort Worth, Tex, P O Box 4545 Atwater 2-7821
Greenville, Tenn, P O Box 224 Market 6-8257
Hartsville, S C, P O Box 389 5641
Mason City, Iowa, P O Box 1097 600
Mulberry, Fla, P O Box 2567 Garden 3-0744
Texarkana, Ark, P O Box 928 2481
Tupelo, Miss, P O Box 403 2-3159
Winston-Salem, N C, P O Box 4145 Vinewood 2-6152
Woburn, Mass, P O Box 230 Park 5-0271
(The) International Nickel Co, Inc, 67 Wall St, N Y 5 WO 2-1036
Chicago 1, Ill, 333 N Michigan Ave Whitehall 4-1000
Cincinnati 2, O, Carew Tower Franklin 2-4030
Detroit 5, Mich, 19842 James Couzens Hwy Parkway 1-1631
Hartford 3, Conn, 75 Pearl St Broadway 3-6780
Houston 2, Tex, Commerce Bldg Jackson 7-0383
Los Angeles 15, Cal, 714 W Olympic Blvd Capitol 4-1433
Minneapolis, 2, Minn, Northwestern Bank Bldg Federal 6-0631
(Phila) Abington, Pa, 1150 York Rd Waverly 4-6692
Pittsburgh 19, Pa, Grant Bldg Atlantic 1-9546
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-3378

International Paper Co, 220 E 42, N Y 17 Murray Hill 2-7500

International Salt Co, Inc, Clarks Summit, Pa Juniper 6-1471
Boston 14, Mass, 150 Causeway St Capitol 7-5084
Buffalo 3, N Y, Marine Trust Bldg Madison 3035
Charlotte, N C, 500 E Moorehead St Edison 2-5189
Chicago 1, Ill, 228 N LaSalle St Andover 3-7236
Cincinnati 2, O, Carew Tower Main 1-1450
Detroit 26, Mich, Griswold & Congress Sts Woodward 1-2770
Newark 2, N J, 744 Broad St Market 3-5106
New Orleans 12, La, Whitney Bank Bldg Jackson 2-1161
N Y 17, 475 5 Ave Murray Hill 5-2760
Phila, Pa, Lewis Tower Bldg Pennypacker 5-5262
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Locust 3-3313
St Louis 10, Mo, 4006 Duncan Ave Olive 2-4652

International Selling Corp, 220 E 42 St, N Y 17 Oxford 7-1331
Houston 23, Tex, P O Box 19322, 10220 Old Katy Rd Homestead 8-2605

International Wax Refining Co, 99 E Hawthorne Ave, Valley Stream, N Y Locust 1-2500

Interplastics Corp, 76-11 37 Ave, Jackson Hts 72, N Y TW 8-1400

Interstate Chem Co, 1228 W 12 St, Kansas City, Mo BA 1-1857

Interstate Chem Corp, 18 Beaver St, N Y 4 HA 2-0354

Intex Chem Corp, 167 Main St, Lodi, N J Gregory 1-1451

Iron Specialties Co, 700 W Western Ave, Muskegon, Mich Parkway 2-6089

Isocyanate Products, Inc, 900 Wilmington Rd, New Castle, Del East 8-5661

Isomet Corp, 433 Commercial Ave, Palisades Park, N J Windsor 4-4100

Isotopes Specialties Co, Div Nuclear Corp of America, PO Box 688, C-587, Burbank, Cal Victoria 9-2273

J

►**JEFFERSON CHEM CO, INC,**
1121 Walker Ave, Houston 1, Tex Capitol 2-6353
Charlotte 2, N C, 1108 Liberty Life Bldg Frankin 7-5670
Chicago 1, Ill, 221 N LaSalle St Randolph 6-1995
Cleveland 14, O, 724 Superior Bldg Prospect 1-5638
N Y 16, 260 Madison Ave Murray Hill 6-7700
San Francisco 24, Cal, 1485 Bayshore Blvd Delaware 4-2866

Jefferson Lake Sulphur Co & (The) Merichem Div, 1810 Prudential Bldg, Houston 25, Tex Jackson 6-2811
Tulsa, Okla, 913 First Natl Bldg Cherry 2-4366

Jewel Labs, G P O Box 158, Bklyn 1, N Y TR 5-7715

►**JOHNS-MANVILLE,**
22 E 40 St, N Y 16 Lexington 2-7600
Atlanta 3, Ga, 101 Marietta St Jackson 5-2021
Boston 16, Mass, 1501 Causeway St Copley 7-6500
Chicago 54, Ill, Mdse Mart Plaza Delaware 7-1144
Cincinnati 2, O, Central Pkwy at Walnut St Parkview 1-5840
Cleveland 15, O, 3101 Euclid Bldg
Denver 2, Colo, 301 Continental Oil Bldg, 18 & Glenarm Pl Keystone 4-6378
Houston 4, Tex, 3115 Blodgett St Jackson 6-1751
Los Angeles 5, Cal, 611 S Catalina St Dunkirk 5-0590
Milwaukee 9, Wis, 4260 N Teutonia Ave Uptown 3-9220
Minneapolis 16, Minn, 3100 W Lake St Walnut 7-9991
N Y 16, 270 Madison Ave Lexington 2-7600
New Orleans 19, La, 2400 Canal St Tulane 0361
Phila 6, Pa, The Mall Bldg, Chestnut at 4 Walnut 2-5000
Pittsburgh 19, Pa, 2228 Koppers Bldg Atlantic 1-4040

St Louis 5, Mo, 7912 Bonhomme Ave Parkview 1-4000
San Francisco 5, Cal, 116 New Montgomery St Douglas 2-4353
Seattle 3, Wash, 4304 Stone Way Melrose 3-4300

►**JONES CHEMS, INC,** 100 Sunny Sol Blvd, Caledonia N Y Keystone 8-2311
Beech Grove, Ind, 600 Bethel Ave State 6-1443
Charlotte, N C, 613 McNinch Franklin 6-7790
Erie, Pa, 1399 W 18 St GL 5-8836
Henderson, Nev, Box 179 Frontier 2-3262
Hudson, Wis, Box 111 DuPont 6-5414
Jacksonville, Fla, 1433 Talleyrand Ave Elgin 5-0662
Milpitas, Cal, Landess Ave FA 8-6383
N Miami, Fla, 14400 N E 20 Lane Wilson 7-1461
N St Petersburg, 3000 22 Ave 5-4136
Torrence, Cal, 1904 Border Ave SP 3-2887
Warwick, N Y, Box 288 986-1141
(Wyandotte) Riverview, Mich, 18000 Payne Ave Avenue 3-0676

Jones-Dabney Co, Div Devoe & Reynolds Co, Inc, 1481 S 11 St, Louisville, Ky Melrose 4-8311
Jones & Laughlin Steel Corp, 3 Gateway Center, Pittsburgh 30, Pa Court 1-7400
Jordan Co, 512 Merrimac Ave, Chicago 38, Ill PO 7-6570
Joy Chem, Inc, 133 Webster St, Pawtucket, R I 2-2700
Junice Labs, Inc, 291 Allwood Rd, Clifton, N J PR 9-5599

K

K & K Labs, Inc, 177-10 93 Ave, Jamaica 33, N Y Axtel 1-7474
Kaiser Refractories & Chems Div, Kaiser Aluminum & Chem Corp, 300 Lakeside Dr, Oakland 12, Cal Crestview 1-2211
Birmingham, Ala, 1206 S 20 Fairfax 4-1230
Hammond, Ind, 518 Calumet Bldg Westmore 2-8140
Houston, Tex, Southern States Life Bldg, 3400 Montrose Blvd Jackson 3-5518
Los Angeles, Cal, 2304 Huntington Dr Cumberland 3-2713
Pittsburgh, Pa, 3 Gateway Center Court 1-4202
St Louis, Mo, 10 Brentwood Blvd Volunteer 3-1100
Seattle, Wash, 302 WEA Bldg, 910 5 Ave Main 3-7821
Kalamazoo Spice Extraction Co, 3711 W Main, PO Box 591, Kalamazoo, Mich Fireside 5-8198
Kano Labs, 1000 S Thompson Lane, Nashville, Tenn Alpine 4-3519
Kaplop Labs, 6710 W Jefferson, Detroit 17, Mich VI 1-5869
Kawecki Chem Co, 220 E 42 St, N Y 17 Murray Hill 2-7143

►**KAY-FRIES CHEMS, INC,** 180 Madison Ave, N Y 16 Murray Hill 6-0661
Kaysing Corp, 8003 Alabama, St Louis 11, Mo FL 3-3628
Keever Starch Co, 538 E Town St, Columbus 15, O Capital 4-4171
Greenville, S C, 118 S Pleasantburg Dr, Cedar 5-9634
Kehew-Bradley Co, 108 Spring St, Everett, Mass DU 9-2410
Kelco Co, 75 Terminal Ave, Clark, N J Fulton 1-6906
NYC: BE 3-7367
Chicago 6, Ill, 20 N Wacker Dr Franklin 2-1352
Los Angeles 14, Cal, 530 W 6 St Madison 7-7932
Spencer Kellogg & Sons, Inc, 100 Delaware Ave, Buffalo 5, N Y TL 2-5850
(Baltimore) Towson 4, Md, 103 W Chesapeake Ave Valley 5-0533
Boston 16, Mass, 1108 Statler Bldg Hancock 6-0645
Chicago 4, Ill, 1526 Bd of Trade Bldg Webster 9-0640
Cincinnati 2, O, 930 Federal Reserve Bank Bldg Main 1-0950
Cleveland 26, O, 4402 W 215 St, Fairview Park Edison 3-2020
Des Moines 6, Iowa, P O Box 1534 Cherry 4-7291
Detroit 26, Mich, 1379 Penobscot Bldg Woodward 3-9437
Minneapolis 14, Minn, Box 25 Ave, University, SE Federal 1-5971
N Y 17, 2805 Graybar Bldg Murray Hill 5-9800
Phila 3, Pa, 1616 Walnut St Pennypacker 5-8787
Kenite Corp, Overhill Bldg, Scarsdale, N Y 3-8110
Kenrich Petrochems Inc, 57-02 48 St, Maspeth 78, N Y ST 4-1772
Kentucky Color & Chem Co, Div Harshaw Chem Co, 600 N 34 St, Louisville 12, Ky Spring 8-7331
Atlanta 18, Ga, 544 Means St NW Jackson 1-1650
Boston 14, Mass, 150 Causeway St Capitol 7-8062
Chicago 6, Ill, 9 S Clinton St Dearborn 2-6644
Cleveland, O, 13909 Lake Ave Woodbine 1-8620
Dallas 26, Tex, 209 N Hawkins St Riverside 8-6041
Detroit 4, Mich, 4181 Oakman Blvd Texas 4-4161
Houston 26, Tex, 1918 Collingsworth St Capitol 4-0656
Kansas City 6, Mo, 220 E Missouri Ave Grand 1-0525
Los Angeles 22, Cal, 3237 S Garfield Ave Raymond 3-8955
Milwaukee 2, Wis, 229 E Wisconsin Ave Broadway 6-1146
Minneapolis 16, Minn, 6127 Excelsior Blvd West 9-0406
New Orleans 12, La, 322 Brd of Trade Plaza Jackson 2-9424
Newark 2, N J, 17 Academy St Market 2-4463
Phila 10, Pa, Jackson & Swanson Sts Howard 2-4700
Pittsburgh 22, Pa, 1704 Keenan Bldg Atlantic 1-9373
Kessler Chem Co, Inc, State Rd & Cottman Ave, Phila 35, Pa Devonshire 2-6565
Boston 10, Mass, 115 High St Hancock 6-0285
Chicago 49, Ill, 7101 Stony Island Ave Plaza 2-6666
N Y 7, 50 Church St Courtland 7-5728
Ketona Chem Corp, P O Box 6548, Tarrant Branch, Birmingham 7, Ala VI 1-2786
Key Chems Corp, 7649 NW 74 St, Medley, Miami, Fla TU 8-8700
Keystone Color Works, Inc, 151 W Gay Ave, York, Pa 82-451
E & F King & Co, Inc, 642 Pleasant St, Norwood, Mass 7-3113
Salem, Mass, 86 Jackson St Pioneer 4-0253
Knoll Pharmaceutical Co, 377 Crane St, Orange, N J 3-0474
H Kohnstamm & Co, Inc, 161 Ave of the Americas, Dept CW, N Y 13 Watkins 9-7000
Baltimore 2, Md, 315 Guilford Ave Lexington 9-1629
Boston 27, Mass, 15 Elkins St Andrew 8-4234
Chicago 11, Ill, 11-13 E Illinois St Superior 7-6174
Cincinnati 25, O, 1314 Bates Ave Kirby 1-8844
Dallas 26, Tex, 3601 Main St Riverside 1697
Houston 3, Tex, 2311 Polk Ave Capitol 4-9786
Indianapolis 3, Ind, 1001 E New York St Melrose 6-8619
Kansas City, Mo, 933 Mulberry St Baltimore 4466
Los Angeles, Cal, 2632 E 54 St Ludlow 5-1226
Minneapolis 1, Minn, 6-10 E Hennepin Ave Federal 5-3546
New Orleans, La, 519 Poydras St Magnolia 2481
Omaha 8, Neb, 1307 Leavenworth St Atlantic 0926
St Louis 4, Mo, 2347 Rutger St Prospect 2-6430
V & E Kohnstamm, Inc, 401 Bway, N Y 13 Walker 5-1504
Kolker Chem Corp, 600 Doremus Ave, Newark 5, N J Market 2-4085
Kolon Trading Co, Inc, 32 Bway, N Y 4 Whitehall 3-2456

►**KOPPERS CO, INC,** Koppers Bldg, Pittsburgh 19, Pa Express 1-3300

►**CHEMS & DYESTUFFS DIV,** Koppers Bldg, Pittsburgh 19, Pa Expres 1-3300
Charlotte, N C, 1500 N Graham Ave Franklin 6-2741
Chattanooga, Tenn, 4001 Rossville Blvd Taylor 1-7581
Chicago 38, Ill, 7101 W 60 St Ludlow 6-3600
Columbus, Ga, Rm 405, Empire Bldg Fairfax 7-2656
Houston 4, Tex, 4101 San Jacinto St Jackson 9-9357
Los Angeles 5, Cal, 2313 E 8 St Madison 3-4468
Paterson, N J, 25 McLean Blvd Lambert 5-3400
Portland, Ore, Oregon Bank Bldg Capitol 8-6329
Providence, R I, 1430 Elmwood Ave Stewart 1-1700
Gas & Coke Div, Harrison Tpke, Kearny, N J Wyman 1-6000
Plastics Div, Koppers Bldg, Pittsburgh 19, Pa Express 1-3300

►**TAR PRODUCTS DIV,** 1326 Koppers Bldg, Pittsburgh 19, Pa Express 1-3300
Chicago 3, Ill, 122 S Michigan Ave Webster 9-2400
Los Angeles 5, Cal, 3450 Wilshire Blvd Dunkirk 8-0676
N Y 22, 430 Park Ave Plaza 5-2810
Woodward, Ala Birmingham: State 8-1611
Kraft Chem Co, 917 W 18 St, Chicago 8, Ill Seeley 3-1919
Krishell Labs, Inc, 1735 S E Powell Blvd, Portland 2, Ore Belmont 2-1412
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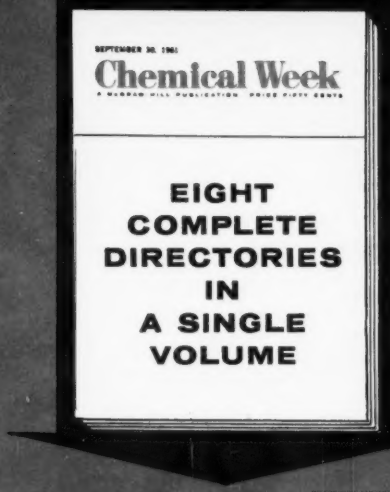
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Evansville, Ind, 1820 W Franklin Harrison 5-8391
Houston 5, Tex, 2472 Bolsover St, P O Box 6863 Jackson 6-2551
Jackson, Miss, 950 Milner Bldg, 210 S Lamar St Fleetwood 2-3648
Little Rock, Ark, 914 W 6 St, P O Box 711 Franklin 6-2437
Los Angeles 22, Cal, 6670 E Flotilla St Raymond 3-2492
Memphis, Tenn, 1023 Riverside Dr, P O Box 252 Whitehall 8-4451
Minneapolis 2, Minn, 515 Foshay Tower Federal 9-4651
(New Orleans) Luling, La, P O Box 174 Sterling 4-2911
N Y 22, 445 Park Ave Plaza 9-8200
Pittsburgh 28, Pa, 20 Cedar Blvd Locust 3-4010
Plainview, Tex, P O Box 1967 Capital 4-9363
St Louis, Mo, 800 N Lindbergh Blvd (66) Wydown 3-1000
San Francisco 4, Cal 111 Sutter St Yukon 6-6232
Santa Clara, Cal, 2710 Lafayette Cherry 3-0414
Seattle 4, Wash, 911 Western Ave Main 2-4203
Springfield 2, Mass, 812 Monsanto Ave State 8-6911
Syracuse 3, N Y, 409 Romax Bldg Granite 4-6001
Wilmington 3, Del, 2005 Concord Pike Fairfax
Olympia 8-6423

Montrose Chem Co, 100 Lister Ave, Newark 5, N J Mitchell 2-3252

Moores Lime Co, P O Box 878, Springfield, O FA 3-8701

Moran Paint Co, P O Box 193, W Ankeney Mill Rd, Xenia, O Chapel 4-2641

Morningstar-Paisley, Inc, 630 W 51 St, N Y 19 Judson 2-3790

Baltimore, Md, 140 N Kresson St Eastern 7-5100
Boston, Mass, 79 Milk St Hubbard 2-2175
Charlotte, N C, 205 W Worthington Ave Franklin 6-3977
Chicago 16, Ill, 1770 Canalport Ave Canal 6-2219
Cleveland, O, 7016 Euclid Ave Express 1-9070
Los Angeles 58, Cal, 2457 E 30 St Ludlow 3-2361
Minneapolis, Minn, 718 N Washington Ave Federal 2-8953
Phila 2, Pa, 4 S 15 St Locust 4-1914
Redwood City, Cal, 1111 Chestnut St Emerson 8-4647
St Louis 15, Mo, Union Blvd & Brown Ave Evergreen 3-3100
Tampa, Fla, 510 8 St N, St Petersburg 53-5062

Morton Chem Co, 110 N Wacker Dr, Chicago 6, Ill Financial 6-6760
New Orleans 13, La, P O Box 1464 Tulane 6511
N Y, 100 Church St Whitehall 4-5285

Morton Salt Co, 110 N Wacker Dr, Chicago 6, Ill Financial 6-1300
Atlanta 5, Ga, 3030 Peachtree Rd, N W Cedar 7-3325
Burlingame, Cal, 1710 Trousdale Dr Oxford 7-5563
Charlotte, N C, 1212 Johnston Bldg, 212-214S
Dallas 19, Tex, 3636 Lemmon Ave Lakeside 6-8578
Denver, Colo, 933 Sherman St Tabor 5-2321
Des Moines 9, Iowa, 6 & Walnut Sts Cherry 4-3111
Detroit 17, Mich, 10335 Flora St Vinewood 3-6173
Kansas City 10, Mo, 6175 The Paseo Emerson 3-1435
Los Angeles 21, Cal, 1350 Produce St Trinity 4-0297
Milwaukee 3, Wis, 2040 W Wisconsin Ave Mitchell 5-7343
N Y 7, 100 Church St Barclay 7-0330
Phila 23, Pa, 939 N Delaware Ave Market 7-4694
St Louis 2, Mo, 820 Gratiot St Main 1-2536
Salt Lake City 1, Utah, 302 Rio Grande St Elgin 9-8716
Seattle 4, Wash, 1201 4 Ave S Main 3-4506
Wadsworth, O, S Main St Federal 5-1541

Mountain Copper Co, Ltd, 230 California St, San Francisco 11, Cal Exbrook 2-0362

N

Naico Chem Co, 6216 W 66 Pl, Chicago 38, Ill Portsmouth 7-7240

Naphthalene Products Co, P O Box 6328, Tarrant, Ala VI 1-2144

National Aniline Div see Allied Chem Corp

National Biochem Co, 3127 W Lake St, Chicago 12, Ill SA 2-0126

National Carbon Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
Birmingham 1, Ala, 2900 Cahaba Rd, P O Box 196 Tremont 9-4681
Chicago, Ill, 230 N Michigan Ave Financial 6-3300
Houston 27, Tex, 3839 W Alabama Mohawk 7-5641
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Pittsburgh 22, Pa, Oliver Bldg, Mellon Sq Express 1-3800
San Francisco 6, Cal, 22 Battery St Yukon 2-1360

National Casein Co, 601 W 80 St, Chicago 20, Ill Vincennes 6-7300
Riverton, N J, Broad & Fulton Sts, Talmadge 9-1880
(Tyler) Owentown, Tex, P O Box 904 Triangle 7-3336

National Chem & Plastics Co, 1424 Philpot St, Baltimore 31, Md Peabody 2-1783

National Dairy Products Corp, Chem Dept see HumKo Products Div

National Gypsum Co, 325 Delaware Ave, Buffalo 2, N Y TL 2-5880
Cleveland 16, O, 20950 Center Ridge Rd Edison 3-2337
Phila 4, Pa, 33 & Arch Sts Evergreen 6-7852
York, Pa, P O Box 1826 5447

National Lead Co, 111 Bway, N Y 6 Rector 2-9400
Atlanta, Ga, 451 Bishop St N W Trinity 6-7361
Boston 6, Mass, 800 Albany St Garrison 7-1000
Chicago 80, Ill, 900 W 18 St Canal 6-3700
Cincinnati 3, O, 659 Freeman Ave Parkway 1-7970
Cleveland 13, O, 1776 Columbus Rd Prospect 1-4060
Dallas 2, Tex, 959 Terminal St Riverside 7-8335
Depew, N Y, 3241 Walden Ave Regent 6842
Detroit 11, Mich, 3501 Griffin St Trinity 4-0488
Los Angeles 23, Cal, 3113 E 26 St Angelus 3-7121
Phila 25, Pa, 2607 E Cumberland St Garfield 6-0600
Pittsburgh 12, Pa, 1376 River Ave Fairfax 1-2335
St Louis 1, Mo, 722 Chestnut St Chestnut 1-8782
San Francisco 10, Cal, 2240 24 St Mission 7-0440
Seattle 4, Wash, 1128 W Spokane St Main 2-1950

See also separate listing by division:
Titanium Alloy Mfg Div

►**NATIONAL MARINE SERVICE INC,** 21 West St, N Y 6 Whitehall 3-8680

National Polychems, Inc, Eames St, Wilmington, Mass Wells 3-4240
Conway, N C Juno 5-4131

National Powder Co, P O Box 426, Eldred, Pa Canal 5-4701

National Research & Chem Co, 125-20 Cerise Ave, Hawthorne, Cal Spring 2-1121

National Research Corp, Metals Div, 70 Memorial Dr, Cambridge, Mass Eliot 4-5400

National Rosin Oil Products, Inc, 1270 Ave of the Americas, N Y 20 Circle 7-4473

National Starch & Chem Corp, 750 3 Ave, N Y 17 Yukon 6-9500
Atlanta, Ga, 87 Haynes St N W Jackson 5-7761
Boston, Mass, 53 Fargo St Liberty 2-6268
Chicago, Ill, 3601 S Washtenaw Lafayette 3-6333
Phila, Pa, 3701 N Broad St Baldwin 6-0900
San Francisco, Cal, 735 Battery St Yukon 1-1630

Natural Gas Odorizing, Inc, 7620 Wallisville Rd, PO Box 15252, Houston 20, Tex Orchard 2-2567

Naugatuck Chem Div, U S Rubber Co, Elm St, Naugatuck, Conn Park 9-5241
Akron 12, O, 9 Overwood University 4-2145
Boston 6, Mass, P O Box 2116 Davis 6-6000
Chicago 80, Ill, 4135 S Pulaski Rd Cliffside 4-5700
Gastonia, N C, 214 W Ruby Ave University 4-3411
Los Angeles 22, Cal, 5901 Telegraph Rd, P O Box 6818 Raymond 3-1171
Memphis 7, Tenn, 1480 N Thomas St Jackson 7-2411
N Y 20, 1230 Ave of the Americas Circle 7-5000
Phila, Pa, 5670 Rising Sun Ave Pilgrim 2-7000

Nease Chem Co, Inc, P O Box 221, State College, Pa Adams 8-2424

Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa RE 9-1291
Detroit, Mich, 16160 James Couzens Hwy UN 2-2900

Nepera Chem Co Inc, Rte 32, Harriman, Orange County, N Y Monroe: Storey 2-8171
NYC: Worth 6-3273

Neville Chem Co, Neville Rd, Neville Island, Pittsburgh 25, Pa Federal 1-4200
Anaheim, Cal, 2201 Cheritos St Keystone 5-7296

New England Nuclear Corp, 575 Albany St, Boston, Mass Hancock 6-7311

New Jersey Zinc Co, 160 Front St, N Y 38 Whitehall 3-5700
Atlanta 10, Ga, 878 York Ave, SW 755-3549
Boston 11, Mass, 137 Kneeland St Hubbard 2-1227
Chicago 1, Ill, 221 N LaSalle St Financial 6-1469
Cleveland 14, O, Nati City Bank Bldg Main 1-1101
Los Angeles 58, Cal, 4560 E 50 St Ludlow 2-7311
Oakland 4, Cal, 95 Market St Templebar 6-0741

New York Color & Chem Co, Div American Dyewood Co, 374 Main St, Belleville 9, N J Plymouth 9-7700
N Y C: Rector 2-7593
Chicago, Ill, 110 N Franklin St State 2-0327

New York & New Jersey Lubricant Co, 292 Madison Ave, N Y 17 Lexington 2-2851

Nilok Chems, Inc, 2000 College Ave, Niagara Falls, N Y BU 5-0069

Nitrogen Div see Allied Chem Corp

Nitrogen Products Div see W R Grace & Co

Nitrogen Products, Inc, Natl Bank Bldg, New Brunswick, N J Charter 9-5900
Dayton, N J (Benzol Distributors Div) Charter 9-5900
Dayton, N J (Dayton Fertilizer Corp Div) Davis 9-4011

Nixon-Baldwin Chems Inc, Nixon, N J CH 9-1121
Chicago, Ill, 510 N Dearborn St Michigan 2-2363

►**NOPCO CHEM CO,** 60 Park Pl, Newark 2, N J Humboldt 4-8400
Boston, Mass, 10 High St Hubbard 2-1007
Cedartown, Ga, 701 Wissahickon Ave 230
Chicago 9, Ill, 3625 Jasper Pl Lafayette 3-3371
Harrison, N J, 1 & Essex Sts Humboldt 4-8400
Los Angeles, Cal, 4858 Valley Blvd Capitol 1-3128
N Arlington, N J, 175 Schuyler Ave Wyman 8-3555
Richmond, Cal, 1141 S 14 St Landscape 5-1023
See also separate listings by division:
Jacques Wolf & Co

North Metal & Chem Co, 609 E King St, York, Pa 5584

Northern Chem Industries, Inc, Totman Bldg, 210 E Redwood St, Baltimore 2, Md Saratoga 7-3860
Searsport, Me Kingswood 8-2525

Northwest Chem Co, 9311 Roselawn Ave, Detroit 4, Mich Texas 4-2500

Northwest Petrochem Corp, PO Box 109, Anacortes, Wash Cypress 3-3176

Northwestern Chem Co, 120 N Aurora St, W Chicago, Ill 231-1180

Norton Chem Works (Stecker Chems, Inc), 45 N Broad St, Ridgewood, N J Gilbert 5-0433

Noville Essential Oil Co, Inc, 1312 5 St, North Bergen, N J UN 7-9080

Nuclear Materials & Equipment Corp, 1000 Warren Ave, Apollo, Pa Grover 2-8411

Nuodex Products Div, Heyden Newport Chem Corp, Box 242, Elizabeth, N J Newark: Bigelow 2-8500

O

Oakite Products, Inc, 19 Rector St, N Y 6 Whitehall 3-0940
Atlanta 3, Ga, 417 Palmer Bldg Murray 8-1995
Chicago 11, Ill, 400 N Michigan Ave Superior 7-8058
Cleveland 14, O, 850 Euclid Ave Cherry 1-0672
Dallas 1, Tex, 1509 Main St Riverside 7-2589
Detroit 2, Mich, 8-237 General Motors Bldg Trinity 5-6330
Hartford 3, Conn, 410 Asylum St Chapel 7-8323
Kansas City 11, Mo, 406 W 34 St Westport 1-6619
Los Angeles 12, Cal, 1001 E 1 St Madison 5-1544
Louisville 7, Ky, 4211 Norbourne Blvd TW 3-2718
Milwaukee 2, Wis, 757 N Bway Broadway 6-7440
Phila 2, Pa, 42 S 15 St Locust 7-7660
Pittsburgh 28, Pa, 733 Washington Rd Locust 1-4611
Rochester 4, N Y, 315 Alexander St Baker 5-3377
St Louis 5, Mo, 111 S Bemiston Ave Parkview 5-8200
San Francisco 5, Cal, 681 Market St Yukon 2-6582
Ohio Lime Co, Woodville, O Vincent 9-2321
Oil-Kraft, Inc, 3330 Beekman St, Cincinnati 23, O KI 1-2225
Old Dutch Mustard Co, Inc, 80 Metropolitan Ave, Bklyn 11, N Y Evergreen 7-9155
Olin Mathieson Chem Corp, Blockson Chems, Patterson Rd, PO Box 1407, Joliet, Ill Saratoga 2-6601
Chems Div, Mathieson Bldg, Baltimore 3, Md Plaza 2-8300
Industrial Chems, Mathieson Bldg, Baltimore 3, Md Plaza 2-8300
Atlanta 16, Ga, 225 Chester Ave S E Murray 8-5916
Buffalo 3, N Y, Rand Bldg Madison 3519
Charlotte 2, N C, Liberty Life Bldg Edison 3-1175
Chicago 11, Ill, 400 N Michigan Ave Superior 7-7143
Cincinnati 2, O, Dixie Terminal Bldg Main 1-1983
Houston 2, Tex, Gulf Bldg Capitol 5-6511
New Orleans 12, La, Natl Bank of Commerce Bldg 529-5557
N Y 22, 745 5 Ave Plaza 3-0700
Pasadena 8, Cal, 3848 E Colorado St Bldg Murray 1-7477
Phila 7, Pa, Phila Natl Bank Bldg Locust 3-2610
Providence 3, R I, Hospital Trust Bldg Gaspee 1-2070
St Louis 5, Mo, 8000 Bonhomme St Volunteer 3-5300
Organic Chems, 745 5 Ave, N Y 22 Plaza 3-0700
Charlotte 2, N C, Liberty Life Bldg Edison 3-1175
Chicago 11, Ill, 400 N Michigan Ave Michigan 2-8440
Cincinnati 2, O, Dixie Terminal Bldg Main 1-1983
Houston 2, Tex, Gulf Bldg Capitol 5-6511
Phila 7, Pa, Phila Natl Bank Bldg Locust 3-2610
St Louis 5, Mo, 8000 Bonhomme St, Volunteer 3-5300
Plant Food, P O Box 991, Little Rock, Ark Franklin 6-2471

►**ONYX CHEM CORP,**
191 Warren St, Jersey City 2, N J HE 4-1700
Charlotte 6, N C, 1608 East Blvd 332-4581
Chicago, Ill, 140 N Dearborn St Andover 3-5470
Cleveland, O, 8905 Lake Ave Atlantic 1-4658
Opalco Lab, Inc, 20 E Pittsburgh Blvd, McKeesport, Pa North 4-4278
Pittsburgh: Homestead 1-1431
Organics, Inc, 1724 W Greenleaf Ave, Chicago 26, Ill Ambassador 2-3253
Oronite Div, California Chem Co, 200 Bush St, San Francisco 20, Cal Sutter 1-6940
Chicago 6, Ill, 20 N Wacker Dr Central 6-8527
Cincinnati 2, O, 1811 Carew Tower Dunbar 1-3722
Cleveland, O, 3535 Lee Rd Skyline 2-0270
Houston 5, Tex, 2518 Times Blvd Jackson 9-3181
Los Angeles 15, Cal, 953 S Hope St Madison 7-1287
N Y 20, 1 Rockefeller Plaza Plaza 7-3260
Seattle 4, Wash, 506 2 Ave MA 4-7748
Tulsa 3, Okla, 8 E 3 St, McBirney Bldg Luther 2-6693
Wilmington 1, Del, 301 Delaware Trust Bldg Olympia 4-8812
Ortho Div, California Chem Co, Lucas & Ortho Way, Richmond, Cal BE 5-9300
Columbia, S C, P O Box 576 Alpine 3-1654
Des Moines, Iowa, 2913 Ingersoll Ave
Fresno 7, Cal, P O Box 48 Amhurst 6-9508
Haddonfield, N J, 133 Kings Hwy E Hazel 9-7181
Medina, N Y, P O Box 230 926
Memphis 11, Tenn, P O Box 6405 Fairfax 7-7301
Orlando, Fla, P O Box 7067 3-0506
Phoenix, Ariz, P O Box 11068 Applegate 8-8515
Portland 22, Ore, P O Box 5946 Olive 4-5407
Sacramento 10, Cal, P O Box 2227 Gilbert 2-4985
Salt Lake City 10, Utah, P O Box 2060 Hunter 7-7401
San Jose 8, Cal, P O Box 978 Cypress 2-8932
Shreveport, La, P O Box 1164 3-1646
Springfield, Mass, P O Box 402, Highland Sta Republic 9-7396
Toledo, O, 3529-33 Door St
Whittier Cal, P O Box 471 Oxford 3-8241
C J Osborn Co, 1301 W Blancke St, Linden, N J Hunter 6-8040
Ott Chem Co, 500 Agard Rd, Muskegon, Mich SH 4-1626
Ottawa Chem Co, Inc, 700 N Wheeling St, Toledo 7, O Oxford 1-3507
Oxy-Catalyst, Inc, 511 Old Lancaster Rd, Berwyn, Pa Niagara 4-3200
Burbank, Cal, 3607 W Magnolia Victoria 9-5303
Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla LU 3-0128

P

Pabst Brewing Co, 915 W Juneau Ave, Milwaukee 1, Wis OR 1-0230
Newark 6, N J, 400 Grove St Essex 3-6000
Pace Inc, PO Box 206C, Wilmington 99, Del East 8-4151
Pacific Carbide & Alloys Co, 224A Ryan Way, S San Francisco, Cal Plaza 6-6910
Portland 17, Ore, P O Box 5607 Butler 9-1186
Pacific Smelting Co, 22219 S Western Ave, PO Box E, Torrance, Cal Spruce 5-3421

►**PACIFIC VEGETABLE OIL CORP,** 1145 S 10 St, Richmond, Cal LA 4-4727
Los Angeles 23, Cal, 3135 E 26 St Angelus 3-6781
N Y 4, 21-24 State St Whitehall 4-1988
M W Parsons-Plymouth, Inc, 59 Beekman St, N Y 38 Beekman 3-3162
Passaic Color & Chem Co, 79-81 Liberty St, Passaic, N J Prescott 3-1770
Patent Chems, Inc, 335 McLean Blvd, Paterson 4, N J Mulberry 4-1726
Cincinnati 2, O, 2419 Carew Tower Parkway 1-2837
San Marino, Cal, 475 Huntington Dr Pyramid 1-2854
Paul-Lewis Labs, Inc, 4215 N Port Washington Ave, Milwaukee 12, Wis Edgewood 2-3545
Pearsall Chem Corp, 108 River Rd, Phillipsburg, N J
Peerless Color Co, Inc, 521 North Ave, Plainfield, N J 7-3600

►**PEERLESS OIL & CHEM CORP,**
38-50 Review Ave, L I C 1, N Y Exeter 2-7700
Pendergrast Chem Co, 313 Chester Ave S E, Atlanta 16, Ga Jackson 5-2642

►**S B PENICK & CO,**
100 Church St, N Y 8 Cortlandt 7-1970
Chicago 10, Ill, 735 W Division St Mohawk 4-5651

►**N Y Q Chem Div**
Penick & Ford, Ltd, Inc, 10 Ave & 1 St SW, Cedar Rapids, Iowa EM 4-7111
Peninsular ChemResearch, Inc, P O Box 3597, University Sta, Gainesville, Fla FR 6-4576
Penn Rare Metals, Box 1A, Revere, Pa Ferndale 4-7711
Pennetex Oil Corp, 44 Station Rd, P O Box 187, Sparta, N J Parkway 9-6185
Pennsalt Chems Corp, 3 Penn Center, Phila 2, Pa Locust 4-4700
Akron 8, O, 106 S Main St Hemlock 4-6163
Appleton, Wis, Irving Zuelke Bldg Regent 3-9307
(Atlanta) Harperville, Ga, College Park Rd Poplar 1-7711
Aurora, Ill, 309 Graham Bldg Aurora 6-8545
Chicago 4, Ill, 141 W Jackson Blvd Webster 9-2540
Dallas, Tex, 9009 Sovereign Row Fleetwood 7-4079
(Detroit) Wyandotte, Mich, Pennsylvania Rd, Box 209 Dunkirk 6-0300
King of Prussia, Pa, 9001 Ave Broadway 9-9700
Los Angeles 11, Cal, 4821 Loma Vista Ave Ludlow 7-6244
N Y 22, 400 Park Ave Plaza 3-7900
(Pittsburgh) Natrona, Pa Academy 4-7700
Phila 2, Pa, 3 Penn Center Locust 4-3852
Portland, Ore, 6450 NW Front St Capital 8-7655
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-8394
(San Francisco) San Mateo, Cal, 235 E 3 Ave Diamond 3-1885
Tacoma, Wash, 2901 Taylor Way Market 7-9101
Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa FI 8-9448
Pennsylvania Glass Sand Corp, Dept 5, 375 Park Ave, N Y 22 Plaza 1-6650
Dallas 6, Tex, 292 Meadows Bldg Emerson 3-2505
St Louis 5, Mo, 8000 Bonhomme Ave Parkview 7-2666
Pittsburgh, Pa, 2 Gateway Center Court 1-1640
Pennsylvania Industrial Chem Corp, 110 State St, Clairton, Pa Belmont 3-8600
Akron, O, 60 S Seiberling St Stadium 4-0481
Atlanta, Ga, 1878 Briarlake Circle Trinity 2-6864
Chester, Pa, Delaware Ave & Jeffrey St 4-4381
Chicago 4, Ill, 332 S Michigan Ave Wabash 2-8167
Clairton, Pa, 120 State St Belmont 3-8600
Dallas, Tex, 10743 Marsh Lane Riverside 7-3348
Detroit 21, Mich, 1713 Roseland Ave, Royal Oak Lincoln 7-4686
Jacksonville 7, Fla, Rm 1514, Prudential Bldg Exbrook 8-8686
Los Angeles 5, Cal, Suite 604, 3460 Wilshire Blvd Dunkirk 7-5201
N Y 17, 1908 News Bldg, 220 E 42 St Murray Hill 2-9146
Pennsylvania Lacquer Center, 145 N 4 St, Phila 6 Pa MA 7-2735
Pittsburgh, Pa, 120 State St Belmont 3-8600
Pennsylvania Refining Co, 717 Butler Savings & Trust Bldg, Butler 32, Pa 72-791
Cleveland 4, O, 2686 Lisbon Rd Sweetbriar 5-2400
Edgewater, N J, P O Box 222 Union 4-0600
Perkins Glue Co, 632 N Cannon Ave, Landsdale, Pa Ulysses 5-1181
Alexandria, La, Sugar Mill Rd Hillcrest 5-6115
High Point, S C, 1717 Ward St 882-8124
Shawano, Wis, 218 E Richmond St Lakeview 6-2516
West Memphis, Ark, 200 N 5 St Regent 5-3526
(The) **Permutit Co, Div Pfaudler Permutit, Inc,** 50 W 44 St, N Y 36 Oxford 7-6600
Atlanta 5, Ga, 3131 Maple Dr, N E, Rm 106 Cedar 3-0272
Baton Rouge 6, La, 4543 North Blvd Dickens 3-5080
Chattanooga 3, Tenn, 848 McCallie St Amherst 6-4544
Chicago 2, Ill, 111 W Washington St State 2-2298
Cincinnati 6, O, 2320 Victory Pkwy Avon 1-6052
Cleveland 15, O, 1836 Euclid Ave, Rm 522 Main 1-2678
Coral Gables 34, Fla, P O Box 34-472 Highland 5-2841
Denver 15, Colo, 1485 Holland St Belmont 7-2866
Detroit 1, Mich, 2111 Woodward Ave Woodward 2-2689
Glendale 4, Cal, 3028 S Brand Blvd Chapman 5-2695
Greensboro, N C, 431½ Walker Ave Broadway 4-4843
Houston 4, Tex, 4101 San Jacinto St JA 3-1498
Jacksonville 4, Fla, 704 Gilmore St, Rm 3 Elgin 3-3725
Kansas City 8, Mo, 2201 Grand Ave, Rm 308A Grand 1-5123
Minneapolis 16, Minn, 3990 Alabama Ave, St Louis Park West 9-1649
Needham Hts 94, Mass, 50 Kearney Rd, P O Box 64 Hillcrest 4-0052
Phila 4, Pa, 101 N 33 St Baring 2-1600
Pittsburgh 22, Pa, 708 Empire Bldg Grant 1-1747
Pittsfield, Mass, 29 Fairfield St Hillcrest 3-6624
Ridgewood, N J, 10 Wilsey Sq Gilbert 5-2030
Rochester 1, N Y, P O Box 11 Idlewood 6-2553
St Louis 1, Mo, 818 Olive St Main 1-4770
Silver Springs, Md, 8605 Cameron St Juniper 9-3731
D J Peterson Co, 537 N 15 St, Sheboygan, Wis Glencourt 8-4126
Petrochemicals Co, 1825 E Spring St, Long Beach, Cal Garfield 7-9924
Fort Worth 2, Tex, Room 301-5, Daniger Bldg Edison 2-6990
N Y 17, Graybar Bldg, 420 Lexington Ave Lexington 2-4686
Petroleum By-Products & Chem Co, 198 Bway, N Y 38 Worth 2-3975
Petroleum Chems, Inc, 821 Gravier St, P O Box 6, New Orleans, La 529-3381
N Y 5, 70 Pine St, Rm 2201 HA 2-1600
Petrolite Corp, 369 Marshall Ave, St Louis, Mo Woodland 1-3500
See separate listings by divisions:
Bareco Wax Co Div
Tretolite Co Div
Petro-Tex Chem Corp, P O Box 2584, 8600 Park Pl Blvd, Houston, Tex Walnut 6-8871
Pfaltz & Bauer, Inc, 350 5 Ave, N Y 1 Chickering 4-6485
Pfanstiehl Labs, Inc, 1219 Glen Rock Ave, Waukegan, Ill Majestic 3-0370
George Pfau's Sons Co, Inc, 9 & Wall Sts, Jeffersonville, Ind Butler 3-6697
Pfister Chem Works, Inc, Linden Ave, Ridgefield, N J Whitney 5-5400
Augusta, Ga, P O Box 1087 Park 4-5283
Chas Pfizer & Co, Inc, 235 E 42 St, N Y LR 3-2360
Chamblee, Ga, 5251 Peachtree Industrial Bldg
Chicago 35, Ill, 6460 W Cortland St
Dallas 35, Tex, 7600 Ambassador Row
San Francisco 3, Cal, 1500 16 St
Vernon 58, Cal, 4814 Loma Vista Ave
Plastics & Plasticizer Dept, Chem Sales Div
Phelps Dodge Refining Corp, 300 Park Ave, N Y 22 Plaza 1-3200

►**PHILADELPHIA QUARTZ CO,**
1168 Public Ledger Bldg, Phila 6, Pa Market 7-7200
Chicago 6, Ill, 205 W Wacker Dr State 2-7734
Philadelphia Quartz Co of Cal, subs of Philadelphia Quartz Co, 7 & Grayson Sts, Berkeley 10, Cal Thornwall 5-1048
William E Phillips Inc, 435 N Michigan Ave, Chicago 11, Ill Superior 7-9611
Phillips Chem Co, 7 Fl, Adams Bldg, Bartlesville, Okla FE 6-6600
Akron 8, O, 318 Water St Franklin 6-4120
Amarillo, Tex, 1 Natl Bank Bldg Drake 4-0311
Atlanta 5, Ga, 1428 W Peachtree St Trinity 5-7021
Baltimore 4, O, 1045 Taylor Ave Valley 3-7260
Chicago 3, Ill, 7 S Dearborn Andover 3-3472
Columbus, O, 395 E Broad St CA 8-6573
Dallas, Tex, 6010 Sherry Lane Emerson 3-7260
Denver 20, Colo, 1375 Kearney St Dudley 8-5566
Des Moines 8, Iowa, Hubbell Bldg Cherry 3-3291
E Providence 14, R I, 322 Waterman Ave Geneva 4-7600
Elmhurst, Ill, 111 S York St Terrace 4-8600

Ft Lauderdale, Fla, P O Box 6628, Sta 9 Jackson 4-0561
Houston, Tex, 6910 Fannin St Jackson 6-2466
Indianapolis, Ind, 3839 Meadows Dr Liberty 7-9661
Kansas City, Mo, Box 103, 201 E Armour Blvd Plaza 3-6600
Maplewood, N J, 2075 Millburn Ave South Orange 3-3233
Memphis, Tenn, 4827 Marlin St Mutual 5-0954
Minneapolis 2, Minn, 215 S 11 St Federal 2-7461
N Y 5, 80 Bway Digby 4-3480
Omaha, Neb, 3212 Dodge 342-5911
Pasadena 1, Cal, 317 N Lake Ave Ryan 1-6997
Raleigh, N C, 401 Oberlin Rd Temple 4-8261
St Louis 8, Mo, 4251 Lindell Blvd Jefferson 1-6677
Salt Lake City, Utah, 68 S Main St Davis 2-5661
Spokane 10, Wash, 521 E Sprague Ave Madison 4-9251
Tampa 9, Fla, 3737 Neptune 8-2141
Trenton, N J, 2595 E State St Juniper 7-3477
Tulsa 14, Okla, 1708 Utica Sq Riverside 7-7561
Wichita 2, Kans, 209 E William Hobart 4-6301

Phillips & Jacobs, Inc, 618-22 Race St, Phila 6, Pa WA 2-3655
Baltimore 30, Md, 119 E York St Plaza 2-1537
Pittsburgh 19, Pa, 419 Blvd of Allies Atlantic 1-0833

Phillips Petroleum Co, Special Products Div, 119½ W Frank Phillips Blvd, Bartlesville, Okla FE 6-6600

Pierce Chem Co, P O Drawer 117, Rockford, Ill WO 5-8013

Pierce & Stevens Chem Corp, 710 Ohio St, Dept CW Buffalo 3 N Y TL 6-4910

Pilot Chem Co of California, 11756 Burke St, Santa Fe Springs, Cal Oxford 8-6778

Pilot Chems Inc, 36 Pleasant St, Watertown 72, Mass WA 4-7775

Pitt-Consol Chem Co, 191 Doremus Ave, Newark 5, N J Market 3-3800
Pittsburgh 19, Pa, Koppers Bldg Atlantic 1-8700

Pittsburgh Chem Co, Div Pittsburgh Coke & Chem Co, 330 Grant St, Pittsburgh 19, Pa Atlantic 1-8950
(Chicago) Summit, Ill, 7750 W 61 Pl Globe 8-6020
Chicago: Ludlow 2-2650
Paramus, N J, 253 S Mall

►**PITTSBURGH PLATE GLASS CO, CHEM DIV,**
1 Gateway Center, Pittsburgh 22, Pa AT 1-5100
Albany 3, N Y, 23 Malpass Rd Albany 895173
Atlanta 5, Ga, 2999 School Dr, NW Cedar 7-0668
Boston 16, Mass, 1256 Little Bldg Hancock 6-2780
Buffalo 21, N Y, 77 Bonview Terrace Plaza 7261
Charlotte 2, N C, 205 Johnston Bldg Edison 3-0450
Chicago 11, Ill, 2019 Tribune Tower Bldg Delaware 7-0582
Cincinnati 2, O, 703 Gwynne Bldg Main 1-1065
Cleveland 15, O, 3101 Euclid Bldg Express 1-5622
Dallas 1, Tex, 414 Tower Petroleum Bldg Riverside 1-3508
(Denver) Wheat Ridge, Colo, 8600 W 41 Ave Harrison 2-0568
Houston 2, Tex, 519 Bank of Commerce Bldg Capitol 5-5441
Los Angeles 22, Cal, 7668 Telegraph Rd Madison 3-4614
Minneapolis 2, Minn, 1955 Rand Tower Federal 3-2583
New Orleans 12, La, Natl Bank of Commerce Bldg Magnolia 6333
N Y 17, 579 5 Ave Murray Hill 8-8350
Phila 2, Pa, 722 2 Penn Center Locust 4-1170
Portland, Ore, 0134 SW Ridge Dr CH 4-9926
St Louis 5, Mo, 111 S Bemiston Ave Parkview 5-9090
San Francisco 5, Cal, 625 Market St Yukon 2-0272

Plastics Div see Allied Chem Corp

Plastics Engrg Co, 1607 Geele Ave, Sheboygan, Wis Glencourt 8-2121

Plasti-Kote, Inc, 9801 Harvard Ave, Cleveland O Vulcan 3-4800

Polarome Mfg Co Inc, 3 York St, N Y 13 WO 6-3077

Polychemical Labs, Inc, 490 Hunts Point Ave, N Y 59 Turnbull 7-0333

Polyvinyl Chems, Inc, 26A Howley St, Peabody, Mass Jefferson 2-0600

Pomeroy Co, 26 Nicholson St, Newark 2, N J Market 2-0402

Potash Co of America, Suite 1718, 630 5 Ave, N Y 20 LI 1-1240
Atlanta 9, Ga, 1776 Peachtree Bldg, NE 875-7967
Peoria 2, Ill, 517 First Natl Bank Bldg 676-7639

Potter Paint Co, Inc, 21 Crawford St, Cortland, N Y Skyline 6-9924
Cambridge City, Ind, S Green St 3-7751

Poughkeepsie Dyestuff Corp, 81 N Water St, Poughkeepsie, N Y Globe 2-3740

Precision Chem Corp, 407 Sansome St, San Francisco 11, Cal Sutter 1-1988

Premium Chems, Inc, Hampton Rd, Oceanside, L I, N Y RO 4-1135

Prentiss Drug & Chem Co, Inc, 101 W 31 St, N Y 1 PE 6-6766
Chicago 6, Ill, 9 S Clinton St Franklin 2-1094

Prince Mfg Co, 700 Lehigh St, Bowmanstown, Pa Palmerton 2345
Skokie, Ill, 3650 Oakton St Orchard 3-6682

Prior Chem Corp, 420 Lexington Ave, N Y 17 Lexington 2-9811

Process Chems Co, 8733 S Dice Rd, Santa Fe Springs, Cal Raymond 3-8386

Process Chem Specialties, 6 Newbury St, Beverly, Mass WA 2-7789

Pro-Chem, Inc, 1571 Merwin Ave, Cleveland 13, O PR 1-0188

Procter & Gamble Co, P O Box 599, Cincinnati 1, O Garfield 1-3100

Productol Co, 417 S Hill St, Los Angeles 13, Cal Madison 8-4397

Protean Chem Corp, 150 Nassau St, N Y 38 Beekman 3-7574

Pruett-Schaffer Chem Co, Tabor St, Pittsburgh 4, Pa Spaulding 1-2000

Prufcoat Labs, Inc, 63 Main St, Cambridge 42, Mass Elliot 4-0200
N Y 17, 50 E 42

Publicker Industries, Inc, 1429 Walnut St, Phila 2, Pa Locust 4-1400
(Boston) Natick, Mass, 8 Avon Lane Homestead 9-0022
Chicago, Ill, 205 W Wacker Dr Randolph 6-6678
N Y 1, 350 5 Ave Oxford 5-4160
St Louis, Mo, 101 Arsenal St Prospect 6-0858
Westwego, La, P O Box 66 Filmore 7-1486

Puget Sound Pulp & Timber Co, 300 Laurel St, Dept R, Bellingham, Wash Regent 3-4410

Pure Carbonic Co, Div Air Reduction Co, Inc, 150 E 42 St, N Y 17 MU 2-6700
Atlanta 2, Ga, 680 Hamilton Ave S E Market 7-2401
Berkeley 4, Cal, 2020 Milvia St Thornwall 1-0484
Chicago 4, Ill, 141 W Jackson Blvd Wabash 2-8503
Cleveland 35, O, 4510 W 160 St Clearwater 2-4635
Kansas City 8, Mo, 2201 Grand Ave Grand 1-6705
New Orleans 21, La, 240 St George Ave Vernon 5-7291
Newark 12, N J, 39 McClellan St Bigelow 2-0400
Phila 43, Pa, 47 & Woodland Ave Saratoga 6-9393

Puritan Aerosol Corp, 160 N Washington St, Boston 14, Mass Richmond 2-3318

Pylam Products Co, Inc, 95-10 218 St, Queens Village 29, N Y Hollis 4-0860

Pyroxylin Products, Inc, 4851 S St Louis Ave, Chicago 32, Ill VI 7-4800
Paoli, Pa, Russell Rd 4141

Q

►**QUAKER OATS CO, CHEMS DIV,**
341Y Mdse Mart Plaza, Chicago 54, Ill Whitehall 4-0600
Cleveland 14, O, 815 Superior Ave Superior 1-2828
N Y 5, 120 Wall St Whitehall 4-0400
Portland 14, Ore, 49 S E Clay St Belmont 2-6141

Quicksilver Products, Inc, 407 Sansome St, San Francisco 11, Cal Sutter 1-1988
Los Angeles 32, Cal, 5404 Alhambra Ave Capitol 5-2395

Quigley Co, Inc, 415 Madison Ave, N Y 17 Eldorado 5-6318

R

R & A Leather Finish Co, Inc, 812 E 43 St, Bklyn 10, N Y Ulster 9-2800

Raffi & Swanson, Inc, 100 Eames St, Wilmington, Mass Wells 3-4200

RSA Corp, 690 Saw Mill River Rd, Ardsley, N Y Owens 3-1818

Ram Chems, Inc, 210 E Alondra Blvd, P O Box 192, Gardena, Cal FA 1-0710

Rambach Chem Co, Inc, 855 Ave of the Americas, N Y C OX 5-6556

Rand Chem Co, 9884 E Rush St, S El Monte, Cal Cumberland 3-3248

Rare Metal Products Co, Atglen, Pa Lyric 3-5119

Raybestos-Manhattan, Inc, 75 E Main St, Stratford, Conn Edison 7-3341

Raybo Chem Co, 514 Jackson Ave, P O Box 2155-B, Huntington, W Va 529-4946

Rayonier, Inc, 161 E 42 St, N Y 17 Murray Hill 7-7880

Reade Mfg Co, Inc, 135 Hoboken Ave, Jersey City 2, N J Oldfield 3-3012

Reading Chems, Div Reading Alloys, 1143 Penn Ave, Wyomissing, Pa FR 5-3975

Refined Products Co, 630 Schuyler Ave, Lyndhurst, N J Geneva 8-7520

Regal Chem Corp, 115 Dobbin St, Bklyn 22, N Y Evergreen 9-8727

Rehels Co, Inc, 235 Snyder Ave, Berkley Hts, N J 464-1500

Reichhold Chems, Inc, 525 N Bway, White Plains, N Y 8-6200
Appleton, Wis, P O Box 26 Regent 3-3980
Austin, Tex, Box 9405 Glendale 2-2561
(Boston) Ballardvale, Mass, P O Box 158 Andover Greenleaf 5-6600
Bklyn 11, N Y, 105 Bedford Ave Evergreen 8-4640
Cambridge, Mass, 120 Potter St Kirkland 7-7036
Charlotte 3, N C, P O Box 3715 Jackson 3-4114
(Chicago) Argo, Ill, 7738 W 61 Pl, P O Box 446 Reliance 5-4400
Cicero 50, Ill, 3242 S 50 Ave Olympic 2-7740
Cleveland 26, O, 21380 Lorain Rd Edison 1-5120
Dallas 7, Tex, 4909 Reading St Fleetwood 1-6283
Detroit 20, Mich, 601-707 Woodward Hts Blvd Jordan 4-6500
Elizabeth 2, N J, 726 Rockefeller St 3-6600
Houston 15, Tex, 1503 Haden Rd Glendale 3-5431
Jacksonville 5, Fla, W Beaver St, P O Box 6427 Evergreen 9-8831
Kansas City 15, Kans, 3150 Fiberglas Rd Mayfair 1-4900
(Los Angeles) Azusa, Cal, 237 Motor Ave Cumberland 3-4123
Louisville 7, Ky, 4211 Norbourne Blvd 897-1515
Martinsville, Va, P O Box 1427 Mercury 2-4797
Miami Springs, Fla, 4471 N W 36 St Tuxedo 7-9475
New Orleans 12, La, 235 Internatl Trade Mart Jackson 5-6695
Niagara Falls, N Y, P O Box 476 Butler 2-2356
Phila 39, Pa, 128 Walnut Park Plaza, 63 & Walnut Sts Granite 4-7893
Pittsburgh 22, Pa, Henry W Oliver Bldg Grant 1-6645
St Louis 5, Mo, 7730 Carondelet Ave Parkview 6-2929
Seattle 24, Wash, P O Box 3547 Parkway 3-6300
S San Francisco, Cal, P O Box 791, Linden Ave Plaza 5-9392
Syracuse 2, N Y, 224 Harrison St Granite 1-4149
Tacoma, Wash, P O Box 1482, 3320 Lincoln Ave Fulton 3-5416
Tuscaloosa, Ala Plaza 2-2551

Reilly Tar & Chem Corp, 11 S Meridian St, Rm 1615, Indianapolis 4, Ind Melrose 8-7531
Chattanooga, Tenn, 4900 Central Ave Taylor 1-4561
Chicago 8, Ill, 2513 S Damen Ave Virginia 7-7800
Cleveland 22, O, 20106 Kinsman Rd Skyline 1-8484
Dallas 1, Tex, 1209 Natl Bldg Riverside 2-8337
Fairmont, W Va, Hoult Rd 762
Granite City, Ill, 19 & Edwardsville Rd Glenview 2-3141
Houston, Tex, 4101 San Jacinto Jackson 8-1368
Los Angeles 17, Cal, 816 W 5 St Mutual 0433
(Minneapolis) St Louis Pk, Minn, 7200 Walker St West 9-7851
N Y 36, 500 5 Ave, Rm 1740 Pennsylvania 6-9027
Phila 31, Pa, 840 N 65 St Trinity 7-8982
Provo, Utah Franklin 3-5670
Renton, Wash, 7841 Lake Washington Blvd Alpine 5-3737
Tuckahoe, N Y, 42 Oak St, Rm 4 Woodbine 1-8600
Tulsa 3, Okla, 6 & Boston Aves Luther 5-1322

Reilly-Whiteman-Walton Co, E Washington Ave & Righter St, Conshohocken, Pa Taylor 8-3800
Chicago 22, Ill, 1030 W North Ave Del 7-0008
Dearborn, Mich, 7008 Kingsbury Logan 3-2889
Decatur, Ga, 2635 Clifton Springs Rd 378-7883
Pittsburgh 34, Pa, 1540 Forest View Dr Fieldbrook 1-8073
Reading, Mass, 10 Pine Ridge Rd Jefferson 1-0533
Mt Carmel, Conn, 339 Still Hill Rd Chestnut 8-1281

Reliance Chem Co, 109 E Forrest Ave, East Point, Ga Poplar 7-8641
Pauline, Kans UN 2-1223
Richmond, Cal, Foot S 14 St, P O Box 1249 Beacon 3-5900

Renite Co, 420 E 5 Ave, P O Box 8065, Columbus 1, O Axminster 4-4709

Republic Chem Corp, 94 Pearl & Beekman Sts, N Y 38 Rector 2-9810

Research Chems, 170A W Providencia, Burbank, Cal Victoria 9-6276

Revelli Chems, Inc, 36 W 44 St, N Y 36 OX 7-7486

Rex Oil & Chem Co, 9120 Loren Ave, Cleveland 5, O Diamond 1-1500

Reynolds Chem Products Co, 435 W 8 Mile Rd, Whitemore Lake, Mich Hickory 9-9361
N Y 21, 60 Wall St Wisconsin 7-5681

►**REYNOLDS METALS CO,**
6601 W Broad St, Richmond 18, Va AT 2-2311
Branches in all principal cities

Rhode Island Labs, Inc, 100 Pulaski St, W Warwick, R I Valley 1-2900

Rhodia, Inc, 60 E 56 St, N Y 22 Plaza 3-4850
Chicago 10, Ill, 100 W Chicago Ave Michigan 2-3828
Pasadena, Cal, 327 N Lake Ave

G Whitfield Richards, 1732-36 Carlton St, Phila 3, Pa Locust 7-7453

Riches-Nelson, Inc, 342 Madison Ave, N Y 17 Murray Hill 7-7267
Dearborn, Mich Luzon 4-7744

Richmond Mica Corp, 920 Jefferson Ave, Newport News, Va Chestnut 4-7311
N Y 13, 271 Church St Worth 6-4550

Riker Labs, Inc, 19901 Nordhoff St, Northbridge, Cal Diamond 1-1300

Riverside Chem Co, Inc, 871-941 River Rd, N Tonawanda, N Y NX 2-1350

Robeco Chems, Inc, 25 E 26 St, N Y 10 Murray Hill 3-7500

Roberts Chems, Inc, P O Box 446, Nitro, W Va Pleasant 5-3336

Robinson-Wagner Co, Inc, 628 Waverly Ave, Mamaroneck, N Y Owens 8-8550
Chicago 6, Ill, 549 W Washington Blvd Randolph 6-1565

Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass 1182

Rohm & Haas Co, Washington Sq, Phila 5, Pa Walnut 5-9860
Atlanta 9, Ga, 1430 W Peachtree St N W Trinity 5-7808
(Boston, 81) Wellesley Hills, Mass, 31 Washington St Cedar 5-7134

Charlotte, N C, 302 Lawton Rd Express 9-9706
(Chicago, 31) Niles, Ill, 5750 W Jarvis Rodney 3-7000
Cleveland 16, O, 20575 Center Ridge Rd Edison 3-0920
Dallas 6, Tex, 6300 N Central Expwy Emerson 3-1683
Dayton 2, O, 333 W 1 St Baldwin 3-8513
Detroit 35, Mich, 20211 Greenfield Rd Broadway 3-0674
E Paterson, N J, 465 Boulevard Swarthmore 6-6208
Ft Lauderdale, Fla, 233 S E 12 Ave
Gloversville, N Y, 349 N Main St 5-5117
Kansas City 11, Mo, 4324 Main St Logan 1-6821
Leroy, N Y, P O Box 276, 4 W Main St 976
Los Angeles 36, Cal, 5657 Wilshire Blvd Webster 1-1491
Louisville, Ky, 310 W Liberty St Juniper 7-6679
Memphis, Tenn, 137 E Calhoun St Jackson 5-3787
Minneapolis 6, Minn, 3418 E Lake St
N Y 1, 350 5 Ave Longacre 3-4155
Oakland 12, Cal, 2150 Franklin St Templebar 4-6300
Pasadena, Tex, P O Box 672
Peabody, Mass, 29 Lowell St Jefferson 1-3145
Portland 5, Ore, American Bank Bldg Capitol 8-5660
Providence 3, R I, 1226 Industrial Bank Bldg Gaspee 1-9307
St Louis 17, Mo, 2200 S Brentwood Blvd Woodland 1-0287
Seattle 4, Wash, 444 Dexter Horton Bldg

►**AGRICULTURAL & SANITARY SALES DEPT,** Washington Sq, Phila 5, Pa Walnut 5-9860

Rona Pearl Corp, Div Rona Labs, Inc, E 21 & 22 Sts, Bayonne 14, N J Hemlock 7-0800

Ronson Metals Corp, 45-65 Manufacturers Place, Newark 5, N J Market 4-1380

Roselle Labs, Inc, 459 E 1 Ave P O Box 153, Roselle, N J Chestnut 1-0122
Los Angeles 48, Cal, 8417 Beverly Blvd Webster 3-9241

Frank B Ross Co, Inc, 6-10 Ash St, Jersey City 4, N J Henderson 3-4512

H P Rossiger & Co, Inc, 55 Vandam St, N Y 13 AL 5-2292

Rowe Products, PO Box 618, Niagara Falls, N Y BU 5-9348

Royce Chem Co, Carlton Ave at Herrick St, Carlton Hill, N J GE 8-5200

Rubba, Inc, 1015 E 173 St, N Y 60 Kilpatrick 2-4661

Rubber & Asbestos Corp, 225 Belleville Ave, Bloomfield, N J Pilgrim 8-1300
N Y C: Cortlandt 7-8152
Chicago 45, Ill, 3553 W Peterson Ave Keystone 9-2214

Rubber Corp of America, New South Rd, Hicksville, N Y Wells 1-8100

Rumford Chem Works, 31 Newman Ave, Rumford 16, R I Geneva 4-2400

Rust-Oleum Corp, 2425 Oakton St, Evanston, Ill Broadway 3-3200
Dallas, Tex, 3200 McKinney Ave

Rust Proofing & Metal Finishing Co, 75 Commercial Ave N, Cambridge, Mass UN 4-7280

S

St Clair Rubber Co, 1901 Michigan Ave, Marysville, Mich Emerson 4-7424

St Joseph Lead Co, 250 Park Ave, N Y 17 Yukon 6-7474
(Pittsburgh) Monaca 7, Pa Spruce 4-1020

L A Salomon & Bro, Inc, 216 Pearl St, N Y 38 WH 3-0817

Samincorp (South American Minerals & Mdse Corp) 425 Park Ave, N Y 22 MU 8-4100

J A Samuel & Co, Inc, 165 Bway, N Y 6 Cortlandt 7-4567

Sandoz, Inc, 61-63 Vandam St, N Y 13 AL 5-1700
Charlotte 5, N C, 4000 Munroe Rd Edison 3-7514
Cincinnati 26, O, 5218 Eastern Ave East 1-1335
Fairlawn, N J, Fairlawn Ave & 3 St 6-2800
Hudson, Mass, 312 Main St 1260
Los Angeles 13, Cal, 467 E 3 St Madison 8-1158
Phila 34, Pa, 2215 E Tioga St Pioneer 3-4040

Sapon Labs, P O Box 599 CW, Lynbrook, N Y RO 4-1624

Sartomer Resins, Inc, PO Box 56, Essington, Pa LE 4-8200

Sauereisen Cements Co, 1045 N Canal St, Pittsburgh 15, Pa Sterling 1-2323

Schenectady Varnish Co, Inc, Congress St & 9 Ave, Schenectady 1, N Y Dickens 6-8711

Scher Bros, Industrial West St, Clifton, N J Gregory 1-1300

R P Scherer Corp, 9425 Grinnel Ave, Detroit 13, Mich WA 1-3240
Los Angeles 49, Cal BR 2-7405
Newark 2, N J MA 2-5572

Schimmel & Co, Inc, PO Box 2038, Windsor Hwy, Newburgh, N Y John 2-5530

Schoble Chem Corp, 200 W North Ave, Northlake, Ill Fillmore 3-7290

Scholler Bros, Inc, Collins & Westmoreland Sts, Phila 34, Pa Regent 9-0900

Schuylkill Chem Co, 2346 W Sedgley Ave, Phila 32, Pa Baldwin 9-4822

Schwarz BioResearch, Inc, 230 Washington St, Mt Vernon, N Y 4-1100

Scientific Chems, Inc, 1637 S Kilbourn Ave, Chicago 23, Ill LA 1-7000

N Y 68, Box 76, Jerome Ave Sta, Bronx Wellington 3-0110

Seaboard Chems, Inc, 3030 Foster St, Salem, Mass Pioneer 5-1915

E M Sergeant Pulp & Chem Co, Inc, 7 Dey St, N Y 7 Worth 2-4340
Newark 5, N J, 120 Lister Ave Market 2-5346

Servtex Materials Co, PO Box 729, New Braunfels, Tex MA 5-3457

Shamokin Filler Co, Inc, S 5 St, Shamokin, Pa 648-8841

Shamrock Specialties Co, Dept 62, PO Box 987, Texas City, Tex LaMarque: WE 8-7451

(The) S W Shattuck Chem Co, 1803 S Bannock St, Denver 23, Colo RA 2-2849

Shawinigan Products Corp, 350 5 Ave, N Y 1 Oxford 5-4155

Shawinigan Resins Corp, 644 Monsanto Ave, Springfield, Mass State 8-9681
Chicago 1, Ill, 130 E Randolph Dr Whitehall 4-3929
Los Angeles 17, Cal, 1052 W 6 St Huntley 2-9771
N Y 17, 41 E 42 St, Oxford 7-9747
San Francisco 8, Cal, 210 Post St Sutter 1-4564
Strongsville 36, O, P O Box 8899 Tuxedo 6-3344

Sheffield Chem, Div National Dairy Products Corp, P O Box 630, Norwich, N Y 334-3281

►**SHELL CHEM CO,**
50 W 50 St, N Y 20 Judson 6-5000
Atlanta 3, Ga, 55 Marietta St NW Jackson 5-7621
Chicago 48, Ill, 6054 W Touhy Ave Spring 4-6711
Cleveland 16, O, 20575 Center Ridge Rd Edison 3-1400
Detroit 35, Mich, 17500 W 8 Mile Rd, P O Box 5238, Seven Oaks Sta Kenwood 7-2297
Downey, Cal, 10642 Downey Ave Spruce 3-0601
Flushing 55, N Y, 42-76 Main St Flushing 3-4200
Houston 1, Tex, P O Box 2099 Capitol 2-1181
Los Angeles 54, Cal, 1008 W 6 St Madison 5-7341
Newark 2, N J, 10 Commerce Ct Mitchell 3-1100
N Y 17, 415 Madison Ave Oxford 7-3311
San Francisco 6, Cal, 100 Bush St Exbrook 2-5400

Shell Oil Co, 50 W 50 St, N Y 20 JU 6-5000
Albany 8, N Y, 1066 Madison Ave Hemlock 8-3511
Atlanta 3, Ga, 55 Marietta St, NW Jackson 3-6632
Baltimore 4, Md, 200 E Joppa Rd Valley 5-5600
Boston 16, Mass, 441 Stuart St Kenmore 6-1400
Chicago 5, Ill, 624 S Michigan Ave Harrison 7-3080
Cleveland 1, O, 1000 Illuminating Bldg, 55 Public Sq Prospect 1-4466
Detroit 26, Mich, 154 Bagley Ave Woodward 1-1181
Indianapolis 4, Ind, 450 N Meridian St Melrose 5-8321
Los Angeles 54, Cal, 1008 W 6 St Huntley 2-3131
Minneapolis 3, Minn, 100 N 7 St Federal 5-6711
New Orleans 12, La, 925 Common St 529-1331
(N Y C) Flushing 55, N Y, 41-70 Main St Hickory 5-4000
St Louis 66, Mo, P O Drawer 522 Volunteer 3-0800
San Francisco 6, Cal, 100 Bush St Exbrook 2-5400
Seattle 11, Wash, 1219 Westlake Ave N Atwater 2-4950

Shepherd Chem Co, 2803 Highland Ave (Norwood) Cincinnati 12, O Redwood 1-1110
Chicago 31, Ill, 6677 Northwest Hwy Newcastle 1-1060
(Los Angeles) Downey, Cal, 7821 Allengrove St Walnut 3-4647
N Y 38, 150 Nassau St Worth 2-7887

Sherwin-Williams Co, Pigment, Color & Chem Div, 260 Madison Ave, N Y 16 Lexington 2-5806
Boston 16, Mass, 30 Huntington Ave Copley 7-5450
Chicago 1, Ill, 188 W Randolph St Financial 6-0500
Cincinnati 39, O, 1608 W Galbraith Rd Jackson 1-8484
Cleveland 1, O, 101 Prospect Ave Tower 1-7000
Coffeyville, Kan, 1306 W 5 St Clinton 1-5333
Hazel Pk, Mich, 21505 John R St Lincoln 8-6611
Houston 27, Tex, P O Box 2245 Madison 3-9502
Jacksonville 7, Fla, 3304 Atlantic Blvd Flanders 9-6141
Los Angeles 33, Cal, 363 S Mission Rd Angelus 9-8237
Oakland 8, Cal, 1500 Park Ave Olympic 2-2700
Phila 7, Pa, 325 N Broad St Market 7-3300
St Louis 5, Mo, 559 Skinker Blvd Volunteer 3-6999

Shield Chem Co, Inc, 1686 Hyde Park Ave, Hyde Park 36, Mass EM 4-2800

Shulton Inc, Fine Chems Div, 630 5 Ave, N Y 20 Circle 5-6263
Chicago 30, Ill, 7225 N Cicero

Shwayder Chem Metallurgy Corp, 684 E Woodbridge, Detroit 22, Mich

►**SIGNAL OIL & GAS CO,** 8938 Manchester, P O Box 5008, Harrisburg Sta, Houston 12, Tex Walnut 3-1651
Atlanta, Ga, 3131 Maple Dr, N E Cedar 3-3227
(Chicago) Oak Park, Ill, 1515 N Harlem Vi 8-5410
Cleveland, O, 20800 Center Ridge Rd, EJ 3-0188
Long Beach, Cal, 2828 Junipero Ave Nevada 6-3301
Louisville, Ky, 4 & Bway St JU 3-7634
N Y, 10 Rockefeller Plaza Circle 7-2520
(Oakland) Emeryville, Cal, 1368 Park Ave Olympia 3-8052

Sigma Chem Co, 3500 De Kalb St, St Louis 8, Mo Prospect 1-5750

L E Simmons Refining Co, 440 N Orleans St, Chicago 10, Ill WH 3-2383

J R Simplot Co, Minerals & Chem Div, P O Box 912, Pocatello, Idaho Cedar 2-6620
Caldwell, Idaho, P O Box 613 9-3694
Greeley, Colo, P O Box 520 Elgin 2-5252
Idaho Falls, Idaho, P O Box 937 Jackson 2-7074
Klamath Falls, Ore, P O Box 552 Tuxedo 2-1438
Scottsbluff, Neb, P O Box 397 ME 2-7125
Sunnyside, Wash, P O Box 717 Temple 7-6261
Swink, Colo, P O Box 323 1832
Twin Falls, Idaho, P O Box 110 Redwood 3-4502

►**SINCLAIR PETROCHEMS, INC,**
600 5 Ave, N Y 20 Circle 6-3600
Chicago 6, Ill, 155 N Wacker Dr Financial 6-5900
Phila 4, Pa, 4415 Chestnut St Baring 2-3000

Sindar Corp, 321 W 44 St, N Y 36 Circle 5-0310
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago, Ill, 6778 Northwest Hwy Newcastle 1-9090
Cincinnati, O, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles 35, Cal, 6022 W Pico Blvd Webster 9-3101
Phila, Pa, 18 W Chelten Ave Victor 3-8712
Seattle, Wash, 2616 1 Ave Main 4-1202

Smith Chem & Color Co, Inc, 51-55 John St, Bklyn 1, N Y Main 5-0567

Smith-Douglass Co, Inc, P O Box 419, Norfolk, Va UL 5-4711
Albert Lea, Minn 3986
Carey, O
Columbus, O
Danville, Va Swift 2-9114
Granite City, Ill
Holland, Mich
Houston, Tex
Indianapolis, Ind
Kinston, N C Jackson 3-3142
Plant City, Fla 2-1611
Saginaw, Mich
Streator, Ill 2-2991
Texas City, Tex
Wilmington, N C Roger 2-4408

E W Smith Chem Co, 15020 E Proctor Ave, La Puente, Cal Edgewood 3-5205

Smith Lime Flour Co, 448 Trumbull St, Elizabeth, N J EL 2-4500

Werner G Smith, Inc, 1730 Train Ave, Cleveland 13, O Tower 1-3676
Chicago 6, Ill, 400 W Madison Dearborn 2-0661
N Y 7, 233 Bway Beekman 3-8215

Socony Mobil Oil Co, Inc, 150 E 42 St, N Y 17 Oxford 7-4200
Albany 1, N Y, 40 Steuben St Hemlock 4-2111
Boston 15, Mass, 648 Beacon St Copley 7-2400
Chicago 5, Ill, 59 E Van Buren St Harrison 7-4641
Cleveland 15, O, 530 Hanna Bldg Main 1-8484
Dallas 6, Tex, Meadows Bldg Emerson 8-5861
Detroit 32, Mich, 903 W Grand Blvd Tashmoo 5-3400
Houston, Tex, 1009 Fannin St Fairfax 3-6121
Kansas City 42, Mo, 925 Grand Ave Baltimore 1-5300
Los Angeles, Cal, 612 Flower St Madison 6-5711
Minneapolis 2, Minn, 845 6 St Federal 8-0661
Phila 2, Pa, 15 & Chestnut Sts Locust 7-2362
(Pittsburgh) McKees Rocks, Pa, Robb St & Ohio River Federal 1-3640
St Louis, Mo, 1430 S Vandeventor St Jefferson 1200

Sohio Chem Co, Ft Amanda at Adgate Rd, Lima, O Capitol 5-8015

Solar Salt Co, 340 Whitney Ave, Salt Lake City 15, Utah HU 4-3216

Solar Chem Corp, Solar Park, Leominster, Mass KE 4-8303

Sole Chem Corp, 7740 S Chicago Ave, Chicago 19, Ill Saginaw 1-1792

Solvay Process Div see Allied Chem Corp

Solvit Chem Co, Inc, 3734 Speedway Rd, Madison 5, Wis Cedar 3-1155

►**SONNEBORN CHEM & REFINING CORP,**
300 Park Ave, S, N Y 10 Oregon 3-6000
Baltimore 2, Md, 520 N Exeter St Plaza 2-4710
Chicago 6, Ill, 9 S Clinton St Franklin 2-7973
Hollywood 38, Calif, 6565 Romaine St 7-4443
Upper Darby, Pa, 6816 Market St Flanders 2-6316

Southeastern Clay Co, P O Box 1022, Aiken, S C MI 9-7611

Southern Oxygen Co, 2900 52 St, Bladensburg, Md Union 4-2345
Asheville, N C, 71 Woodfin St Alpine 3-8541
Baltimore 17, Md, 1909-19 Presstman St Lafayette 3-8040
Charlotte, N C, 207 N Worthington Ave Franklin 5-9824
Greensboro, N C, 115 Southern Oxygen Rd Cypress 9-1361
Kingsport, Tenn, 440 Industry Dr Circle 7-7193
Knoxville, Tenn, 3042 N Central Ave NW 2-5153
Linden, N J, 817 E Linden Ave Wabash 5-1713
Lynchburg, Va, 1809 12 St Victor 6-1609
N Y 19, 3 W 57 St Judson 2-6700
Phila 24, Pa, 242 E Hunting Park Ave Davenport 9-2400
Raleigh, N C, 1130 S Saunders Vance 8-4462
Richmond 22, Va, 1015 Graham Rd Elgin 8-4913
Roanoke, Va, 603 Center Ave, N W Diamond 3-3683
St Petersburg, Fla, 1791 16 St S Orange 1-6167
Salisbury, Md, Columbia Rd Pioneer 2-3800
Vineland, N J, 586 N West Blvd Oxford 2-5500
Winston-Salem, N C, 171 Fayetteville St Park 5-2237
York, Pa, 470 S Ogontz St 8-1407

Southern Tier Chem Corp, P O Box 27 Emporium, Pa 25-855
Southwestern Analytical Chems, 209 Pleasant Valley Rd, Austin 2, Tex Greenwood 6-9379
Specialty Chems Div, Reichhold Chems Inc, P O Box 9405, Allandale Sta, Austin, Tex Glendale 2-2561
Specific Pharmaceutical, Chem Products Div, Chemotron Corp, 386 Park Ave S, N Y 16 MU 3-4030
Speer Carbon Co see International Graphite & Electrode Div
Spencer Chem Co, 1004 Baltimore Ave, Kansas City 5, Mo Baltimore 1-6600
Atlanta, Ga, 1375 Peachtree St, N E 875-7841
Chicago 3, Ill, 912 First Natl Bank Bldg Randolph 6-3790
Los Angeles 35, Cal, 1435 S La Cienega Oleander 5-8540
Memphis 3, Tenn, 2158 Union Ave Bldg Broadway 2-7488
N Y C, 575 Lexington Ave Plaza 2-1740
Omaha, Neb, 8401 W Dodge Rd 391-7557
Sprapak Chems Inc, 260 Meserole St, Bklyn 6, N Y Hyacinth 7-8221
Stackpole Carbon Co, Stackpole St, St Marys, Pa TE 4-1521
A E Staley Mfg Co, Decatur, Ill 423-4411
Atlanta 9, Ga, 56 11 St NE Trinity 4-5080
S Boston 27, Mass, 803 Summer St Andrew 8-2060
Chicago, Ill, 4616 W Augusta Blvd Estebrook 8-7030
Cleveland, O, 810 Erieside Main 8-2681
Kansas City 6, Mo, 1236 Board of Trade Bldg Victor 2-6753
N Y 17, 485 Lexington Ave Murray Hill 2-6940
Phila 6, Pa, 3120 Jefferson St Poplar 3-5677
St Louis, Mo, 3615 Olive St Jefferson 1-5488
San Mateo, Cal, 2020 Pioneer Ct Fireside 1-2956
Standard Brands, Inc, 625 Madison Ave, N Y 22 Plaza 9-4400
Chicago 6, Ill, 165 N Canal St
Los Angeles 22, Cal, 2660 S Eastern Ave
Standard Chem Products, Inc, 1301 Jefferson St, Hoboken, N J Oldfield 9-1200
Standard Feed & Fertilizer, Inc, 3456 N Buffum st, Milwaukee 12, Wis Edgewood 2-6204
Standard Ultramarine & Color Co, 24 St & 5 Ave, Huntington 18, W Va Jackson 9-1311
Atlanta, Ga, 868 York Ave SW 758-4684
Chicago 44, Ill, 5967 W Madison St, Suite 9, 10 Estebrook 9-3110
Metairie, La, 3625 Airline Hwy, Rm 210 Vernon 5-7879
Newark 2, N J, 744 Broad St, Rm 1903 Market 2-7882
Phila 7, Pa, 121 N Broad St, Rm 1012 Locust 3-7354
Wm J Stange Co, 342 N Western Ave, Chicago 12, Ill Seeley 3-6945
Oakland 21, Cal, 8140 Baldwin Lockhaven 8-2843
Paterson 4, N J, 207 19 Ave Lambert 5-3626
J U Starkweather Co, Inc, 241 Allens Ave, Providence, R I Williams 1-0812
Statikil, Inc, 1220 W 6 St, Cleveland 13, O Cherry 1-5924

►**STAUFFER CHEM CO,**
380 Madison Ave, N Y 17 Oxford 7-0600
Akron, O, 326 S Main St Portage 2-7423
Chicago 1, Ill, Prudential Plaza Randolph 6-8954
Houston 15, Tex, 1632 Haden Rd Glendale 3-7179
Los Angeles 5, Cal, 500 S Virgil Ave Dunkirk 5-5341
Lubbock, Tex, P O Box 592 Porter 2-8133
N Little Rock, Ark, 12 & Cedar Sts, P O Box 509 Franklin 4-7445
N Portland, Ore, Box 68, Suttle Rd Avenue 6-4451
Oakland 12, Cal, 1956 Webster St Templebar 2-4770
Omaha, Neb, P O Box 222, S Omaha Sta 733-3200
San Francisco 8, Cal, 636 California St Sutter 1-5350
Tampa, Fla, 2009 Orient Rd, P O Box 5285 4-3127
Weslaco, Tex, 1300 E Davenport St Woodlawn 8-2112
Weston, Mich Geneva 6-2322
See also separate listings by divisions:
Anderson Chem Co
Victor Chem Works
K A Steel Chems Inc, 5555 N Sheridan Rd, Chicago, Ill Edgewater 4-7800
Stein Hall & Co, Inc, 285 Madison Ave, N Y 17 Murray Hill 9-0800
Atlanta 8, Ga, 80 W Peachtree Pl, NW Jackson 5-1821
Boston 10, Mass, 80 Federal St Liberty 2-5871
Charlotte 8, N C, 3926 Glenwood Dr Express 9-8384
Chicago 54, Ill, Mdse Mart Plaza Mohawk 4-5327
Cincinnati 2, O, 1826-27 Carew Tower Main 1-7183
Dallas, Tex, 2002 Tower Petroleum Bldg Riverside 8-3996
Detroit 2, Mich, 501 Stephenson Bldg Trinity 2-5416
Los Angeles 15, Cal, 315 W 9 St Madison 3-1238
Oakland 12, Cal, 1615 Bway Templebar 6-4318
Phila 3, Pa, 1617 Pennsylvania Blvd Locust 7-7140
St Louis 8, Mo, 4150 Laclede Ave Franklin 1-4600
Stepan Chem Co, Edens & Winnetka, Northfield, Ill Hillcrest 6-7500
Atlanta, Ga, 693 Humphries St, S W Jackson 3-2756
Geneva, O, S Meyers Rd & Jamison Lane Redwood 1-0408
Maywood, N J, 100 W Hunter Ave Diamond 2-2020
Tampa 2, Fla, 1139 Ellamae St 2-4621
See also separate listing by division:
Maywood Chem Works
Sterol Derivatives, Inc, 3626 Medford St, Los Angeles 53, Cal Angelus 8-4227
Stiefel Chems, Inc, 20 Vesey St, N Y 7 WO 4-4265
Stiktotin Co, 20 W 22 St, N Y 10 Oregon 5-2790
Stoney-Mueller, Inc, Page & Newark Ave, Lyndhurst, N J Webster 9-7420
Strahl & Pitsch Inc, 120 Wall St, N Y 5 Whitehall 3-1738
Fred'k A Stresen-Reuter, Inc, 400 W Roosevelt Rd, Bensenville, Ill Porter 6-2800
(Chicago) National 5-6323
Subox, Inc, 48 Fairmont Plant, Hackensack, N J DI 3-4520
Sumco Products, Inc, Caldwell, N J Capitol 6-4700
(The) Summers Fertilizer Co, Inc, Totman Bldg, 210 E Redwood St, Baltimore 2, Md Saratoga 7-3860
Bangor, Me 7136
Caribou, Me Gypsy 8-3316
Fergus Falls, Minn Regent 6-5426
Grand Forks, N D 4-4638
Houlton, Me 532-2203
Mars Hill, Me 3711
Presque Isle, Me Porter 8-5261
Sandy Point, Me Logan 7-2311
Searsport, Me Kingswood 8-2525
Sioux Falls, S D 4-5643
Somerset, Pa 6583

►**SUN OIL CO,** 1608 Walnut St, Phila 3, Pa Kingsley 6-1600
Branches in all principal cities
Henry Sundheimer Co, 103 Park Ave, N Y 17 Murray Hill 5-4214
Superior Zinc Corp, 121 N Broad St, Phila 7, Pa Locust 7-3751
Surfact Co, Inc, Box 114, Blue Island, Ill Fulton 8-7343
Susquehanna-Western, Inc, 777 Grant St, Denver 3, Colo Acoma 2-4761
Swift & Co, Adhesive Products Dept, 4115 Packers Ave, Chicago 9, Ill Yards 7-4200
Swift & Co, General Soap Dept, Union Stock Yards, Chicago 9, Ill Yards 7-4200
E Cambridge 41, Mass, 165 Gore St Kirkland 7-6900
Cleveland, O, 3241 W 65 St Melrose 1-2660
Dallas 2, Tex, 1200 Akard St Riverside 8-4213
Kearny, N J, 1215 Harrison Ave Worth 2-6700
Phila 23, Pa, 9 & Girard Ave Poplar 5-7300
Pittsburgh 12, Pa, 309 Anderson St Fairfax 1-5950
E St Louis, Ill, National Stock Yards Bridge 1-1000
Los Angeles 54, Cal, 3760 Jewel Ave LU 8-0111
Sylvania Electric Products, Inc, Chem & Metallurgical Div, Towanda, Pa AN 5-2121
Burlingame, Cal, 1811 Adrian Rd Oxford 7-3500
Dayton 2, O, 333 W 1 St Baldwin 3-6227
Detroit 38, Mich, 7800 Intervale Ave Webster 3-8765
Melrose Park, Ill, 2001 N Cornell Ave Fillmore 5-0100
Phila 31, Pa, 4700 Parkside Ave Greenwood 7-5000
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Lehigh 1-4975
Teterboro, N J, 1000 Huyler St Atlas 8-9484
Woburn, Mass, 100 Sylvan Rd, P O Box 266, 2-3500
Synco Resins, Inc, Henry St, Bethel, Conn Danbury: Pioneer 8-5678
Synthetic Chems, Inc, 335 McLean Blvd, Paterson 4, N J Mulberry 4-1726
Cincinnati 2, O, 2419 Carew Tower Parkway 1-2837
San Marino, Cal, 475 Huntington Dr Pyramid 1-2854
Synvar Corp, 726 King St, Wilmington 99, Del OL 6-4471

T

Tamms Industries Co, 228 N LaSalle St, Chicago 1, Ill Franklin 2-2570
Tanatex Chem Corp, 3300 Belleville Tpke, Kearny, N J Wyman 3-0732
Tar Residuals, Inc, 420 Lexington Ave, N Y 17 Lexington 2-9164
Techniservice, Box 1226-G, GPO, N Y 1 BO 3-9888
Tect, Inc, 254 Livingston St, Northvale, N J PO 8-5890
Tennant Chem Div, Tennant Development Corp, P O Box 127, Newton, N J Dupont 3-3660
Tenneco Oil Co, 914 Main St, Houston 1, Tex CA 3-4841
Tennessee Corp, 622 Grant Bldg, Atlanta 1, Ga Jackson 3-5024

►**TENNESSEE PRODUCTS & CHEM CORP,** 2611-A West End Ave, Nashville 5, Tenn Cypress 1-1900
Chattanooga 10, Tenn, 4800 Central Ave Taylor 1-7511
Chicago, Ill, 200 S Michigan Ave Wabash 2-0709
Detroit 2, Mich, New Center Bldg Trinity 2-4850
Houston 4, Tex, 4101 San Jacinto Jackson 2-8787
N Y C, 261 Madison Ave Oxford 7-7194
Pittsburgh, Pa, 2210 Oliver Bldg Court 1-5575
St Louis 3, Mo, 3545 Lindell Blvd Olive 2-4776
Texaco Inc, 135 E 42 St, N Y C Oxford 7-8000
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-1920
Texas American Mercury Co, 14403 Telephone Rd, P O Box 153, Pearland, Tex HU 5-1731
Texas Butadiene & Chem Corp, 529 5 Ave, N Y 17 MU 7-8686
Houston 2, Tex, 440 Bank of Southwest Bldg Capitol 7-3283

►**TEXAS GULF SULPHUR CO, INC,** 75 E 45 St, N Y 17 Murray Hill 6-6470
Texas-U S Chem Co, 9 Rockefeller Plaza, N Y 20 JU 6-5220
Devon, Pa, 237 Lancaster Ave MU 8-7764
Houston 16, Tex, 1612 W Alabama St Jackson 3-3132
La Grange, Ill, 140 N La Grange Rd Fleetwood 4-6640
Lexington 73, Mass, 1644 Massachusetts Ave VO 2-8550
Los Angeles 21, Cal, 1340 E 6 St MA 2-2022
Orrville, O, 161 W Market St, P O Box 202 Murray 2-4891
Textile Proofers, Inc, 181-193 Culver Ave, Jersey City 5, N J Henderson 3-6183
Thiokol Chem Corp, 780 N Clinton Ave, Trenton 7, N J Export 6-4001
Los Angeles, Cal, 1709 W 8 St Hubbard 3-6875
(The) Thomas Alabama Kaolin Co, 2412 Ken Oak Rd, Baltimore 9, Md LI 2-1763
Thomasset Colors, Inc, 120 Lister Ave, Newark 5, N J Market 3-7308
Thompson Chem Co, 90 Mendon Ave, Pawtucket, R I 5-3700
Thompson Chems Corp, 3028 Locust St, St Louis 3, Mo Jefferson 5-6608
Los Angeles 27, Cal, 3600 Monon St Normandy 2-2147
H I Thompson Fiber Glass Co, 1733 Cordova St, Los Angeles 7, Cal Republic 3-9161
Baltimore, Md, 6659 Loch Hill Rd Valley 5-3135
Cheshire, Conn, 38 Crescent Circle Browning 2-6544
Ft Worth, Tex, 2850A W Berry, Rm 7 Walnut 4-8679
Thompson-Hayward Chem Co, 5200 Speaker Rd, Kansas City 6, Kans Finley 2-6800
Chicago 8, Ill, 2745 W 31 St Cliffside 4-5060
Dallas 22, Tex, 2627 Weir St, P O Box 6226 Federal 1-6521
Davenport, Iowa, 2040 W River St Rock Island 788-7101
Denver 4, Col, 1501 W 13 Ave Main 3-7225
Des Moines 15, Iowa, S W 1 & Granger Cherry 3-8151
Houston 13, Tex, 1701 Oliver, P O Box 4557 Capitol 4-2668
Little Rock, Ark, 3100 W 65, P O Box 4085 Locust 5-2355
Lubbock, Tex, P O Box 323 Porter 3-2831
Memphis 1, Tenn, 1585 Harbour Ave, P O Box 372 Whitehall 8-3323
Minneapolis 15, Minn, 909 2 St S Federal 2-5394
New Orleans 18, La, 7700 Earhart Blvd University 6-8686
Oklahoma City, Okla, 3909 S Meridian Ave, P O Box 10008, S W Sta Mutual 5-7741
Omaha 8, Neb, 1110 S 4 St Harney 8818
St Louis 2, Mo, 5 Carr St Chestnut 1-2170
San Antonio 8, Tex, 222 Sequin St, P O Box 11126 Capitol 6-7377
Shreveport, La, P O Box 1694, 106 McNeil St 422-0369
Tulsa 3, Okla, 36 N Guthrie Luther 4-6169
Wichita 11, Kan, 727 E Osie Amherst 5-9606
Thompson-Weinman & Co, 1304 Vanderbilt Bldg, N Y 17 Murray Hill 3-6244
Titan Chem Products, Inc, Mill Rd & Wayne St, Jersey City, N J HE 3-7200

►**TITANIUM ALLOY MFG DIV, NATIONAL LEAD CO,** 111 Bway, N Y 6 Barclay 7-0943
Titanium Metals Corp of America, 233 Bway, N Y 7 Worth 4-7620
Chicago 2, Ill, 6 N Michigan Ave State 2-5947
Cleveland 20, O, 11955 Shaker Blvd 795-1588
Dallas 35, Tex, Exchange Bank Bldg Fleetwood 7-4353
Los Angeles 22, Cal, 6465 Corvette St Raymond 3-8567
Titanium Pigment Corp, 111 Bway, N Y 6 Rector 2-4942
Atlanta 5, Ga, 3272 Peachtree Rd, NE Cedar 3-4055
(Baltimore) Towson 4, Md, 724 York Rd Valley 8-8155
Boston 6, Mass, 800 Albany St Garrison 7-1000
Chicago 3, Ill, 104 S Michigan Ave Randolph 6-8494
Cleveland 15, O, 101 Prospect Ave, NW Cherry 1-7195
Houston 2, Tex, 570 M & M Bldg Capitol 7-4940
Los Angeles 22, Cal, 2600 S Eastern Ave Raymond 3-6501
Phila 3, Pa, 117 S 17 St Locust 7-7153
Pittsburgh 12, Pa, 1376 River Ave Fairfax 1-2335
Portland 14, Oregon, 48 SE Hawthorne Belmont 5-6689
San Francisco 7, Cal, 350 Townsend St Garfield 1-1441
Titanium Zirconium Co, Inc, 13 Locktown Rd, Flemington, N J State 2-4616
A M Todd Co, Box 711, Kalamazoo, Mich Fireside 3-2603
Tracerlab Inc, 1601 Trapelo Rd, Waltham 54, Mass Twinbrook 4-6600
Atlanta 17, Ga, 1640 Woodbine Ave Drake 3-4913
Boston 54, Mass, 1601 Trapelo Rd, Waltham Twinbrook 4-6600

Chicago, Ill, 325 W Jackson Blvd Harrison 7-8981
Columbus 15, O, 410 Oak St Capitol 1-9986
(Detroit) Ferndale 20, Mich, 255 E Nine Mile Rd Lincoln 8-6290
Houston, Tex, 2419 South Blvd Jackson 2-9401
(Los Angeles) Van Nuys, Cal, 7311 Van Nuys Blvd State 2-3180
(N Y) Teaneck, N J, 954 Teaneck Rd 3-1443
(Phila) Oley, Pa Yellowhouse 9-6720
(San Francisco) Richmond 3, Cal, 2030 Wright Ave Beacon 5-2633
St Louis 8, Mo, 4378 Lindell Blvd Jefferson 3-7555
Washington 2, D C, 226 Massachusetts Ave, NE Lincoln 7-6622
Tragacanth Corp, 141 E 44 St, N Y 17 OX 7-3216
Trancoa Chem Corp, 312 Ash St, Reading, Mass 944-4700
Detroit 30, Mich, 702 Notre Dame Tuxedo 5-4415
Los Angeles 46, Cal, 7906 Santa Monica Blvd Oldfield 6-4403
N Y C, 475 5 Ave Oregon 9-3633
Trans Penn Wax Corp, 527 Madison Ave, N Y Plaza 3-6527
Arthur C Trask Co, 327 S LaSalle St, Chicago 4, Ill Wabash 2-8900
N Y 22, 509 Madison Ave Murray Hill 8-9240
Treplow Chem Co, 100 New St, Paterson, N J Armory 8-5300
Melrose Park, Ill, 27 & Lake Sts Mansfield 6-8900
Tretolite Co Div, Petrolite Corp, 369 Marshall Ave, St Louis 19, Mo Woodland 1-3500
Caspar, Wyo, P O Box 315 234-8861
Dallas, Tex, 2301 Mercantile Bank Bldg Riverside 7-0764
Great Bend, Kans, P O Box 646 Gladstone 3-2131
Houston, Tex, 3202 S Wayside Dr, P O Box 2546 Walnut 6-7431
N Y, 475 5 Ave Oregon 9-3633
Odessa, Tex, 115 S Grandview, P O Drawer 6276 Federal 7-0981
San Antonio, Tex, 1902 Milam Bldg Capitol 2-9871
Tulsa, Okla, 2100 S Union, P O Box 1318 Luther 2-1133
Wichita, Kans, 6631 E Kellogg Murray 2-0352
Triangle Chem Co, 206 Lower Elm St, P O Box 1501, Macon, Ga Sherwood 3-1548
Atlanta, Ga, 3182 Peachtree Rd NE Cedar 7-8686
Trio Chem Works, Inc, 338 Scholes St, Bklyn 6, N Y Hyacinth 7-3595
Trojan Powder Co, 17 N 7 St, Allentown, Pa Hemlock 4-5201
Los Angeles 14, Cal, 3316 W 63 St Pleasant 3-6156
Portland 4, Ore, 522 SW 5 Ave Atwater 4660
San Francisco 4, Cal, 620 Market St Garfield 1-3114
Wolf Lake, Ill, Union County Anna 1009
Tropical Paint Co, 1248 W 70 St, Cleveland 2, Olympic 1-5900
Troy Chem Co, 338 Wilson Ave, Newark 5, N J Mitchell 2-5292
N Y C: Digby 9-0181

►**TRUBEK LABS,**
State Hwy 17, E Rutherford, N J Geneva 8-7800
Edward Trueger & Co, Inc, P O Box 338, Union, N J Murdock 8-0880
Trumbull Asphalt Co of Delaware, 59 St & Archer Rd, Summit, Argo P O, Ill PO 7-7040
Trylon Chems, Inc, Box 65, Lock Haven, Pa 5900
Joseph Turner & Co, Pleasant View Terr, Ridgefield, N J Whitney 5-8383
N Y C: Chickering 4-7631
Chicago, Ill, 435 N Michigan Ave Whitehall 4-4664
Providence, R I, 146 Westminster St Gaspee 1-3771
Tuscarora Chem Works, Seneca Turnpike, Chittenango, N Y NT 7-6667

U, V

U B S Chem Corp, Div A E Staley Mfg Co, 491 Main St, Cambridge 42, Mass University 4-7300
Chicago, Ill, Prudential Plaza Whitehall 4-6636
Greenville, S C, Box 3326 Sta A Worth 3-4611
L I C, N Y, 29-28 41 Ave Exeter 2-3987
George Uhe Co, Inc, 76 9 Ave, N Y 11 Watkins 9-0870
Paul Uhlich & Co, Inc, 90 West St, N Y 6 Barclay 7-5172

►**ULTRA CHEM WORKS, INC, DIV WITCO CHEM CO, INC.**
2 Wood St, Paterson 4, N J Armory 4-0100
Chicago 38, Ill, 6200 W 51 St Portsmouth 7-8771
(Los Angeles) Hawthorne, Cal, 12607 Cerise Ave Oregon 8-4793
Uncle Sam Chem Co, Inc, 573-577 W 131 St, N Y 27 Audubon 6-2510
Union Bag-Camp Paper Corp, 233 Bway, N Y 7 Cortlandt 7-5300
Chicago, Ill, Daily News Bldg
Union Carbide Chems Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-4641
Albany 7, N Y, 90 State St Hobart 5-3507
Atlanta 9, Ga, 90 State St 873-2241
Baltimore 1, Md, 210 N Charles St Saratoga 7-7365
(Boston 94) Needham Hts, Mass, 300 1 Ave Hillcrest 4-5400
Buffalo 26, N Y, 4446 Main St Circle 4040
Charlotte 2, N C, 112 S Tryon St Franklin 5-3383
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cincinnati 6, O, 2506 May St Avon 1-4450
Cleveland 14, O, 1300 Lakeside Ave Main 1-4202
Dallas 6, Tex, 6300 N Central Expwy, Emerson 8-6301
Denver 3, Colo, 655 Bway Alpine 5-0497
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Houston, Tex, 3829 W Alabama Mohawk 7-5641
Indianapolis 4, Ind, 5 E Market St Melrose 2-5548
Kansas City 5, Mo, 910 Baltimore Ave Baltimore 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Miami 43, Fla, 6356 Manor Lane Mohawk 7-5181
Milwaukee 46, Wis, 1623 S 38 St Mitchell 5-2200
Minneapolis 2, Minn, 915 Midland Bank Bldg Federal 9-0313
Newark 2, N J, 1180 Raymond Blvd Market 3-7660
New Orleans 19, La, 4833 Conti St Hunter 6-5301
(Phila) Moorestown, N J, Rt 38 Belmont 5-6200
Pittsburgh 22, Pa, Oliver Bldg Express 1-3800
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 6-0324
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
Seattle 4, Wash, 3404 4 Ave S Main 2-6247
Tulsa 24, Okla, 2901 S Harvard Riverside 2-5524
Union Carbide Consumer Products Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
Atlanta 9, Ga, 1371 Peachtree St, NE TR 3-2241
Chicago 1, Ill, 230 N Michigan Ave FI 6-3300
Dallas 1, Tex, 1511 Bryan St RI 1-6445
Kansas City 41, Mo, 910 Baltimore Ave BA 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd LU 3-3061
Pittsburgh 22, Pa, Oliver Bldg, Mellon Sq EX 1-3800
San Francisco 6, Cal, 22 Battery St YU 2-1360
Union Carbide Corp, 30 E 42 St, N Y 17 Murray Hill 7-8000
Silicones Div, 270 Park Ave, N Y 17 LL 1-2345
Atlanta 9, Ga, 1371 Peachtree St, NE TR 3-2241
(Boston 94) Needham Hts, Mass, 300 1 Ave HI 4-5400
Chicago 1, Ill, 230 N Michigan Ave FI 6-3300
Cleveland 14, O, 1300 Lakeside Ave MA 1-4202
Detroit 21, Mich, 10421 W 7 Mile Rd
(Los Angeles) Vernon, Cal, 2770 Leonis Blvd DI 1-3131
(Phila) Moorestown, N J, Pleasant Valley Rd, Rte 38 BE 5-6200
Pittsburgh 22, Pa, 644 Oliver Bldg EX 1-3800
See also separate listings by divisions:
Linde Co
National Carbon Co
Union Carbide Chems Co
Union Carbide Consumer Products Co
Union Carbide Metals Co
Union Carbide Olefins Co
Union Carbide Plastics Co
Union Carbide Metals Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
Branches in all principal cities
Union Carbide Olefins Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-6225
Chicago, Ill, 230 N Michigan Ave Financial 6-3300
Cleveland, O, 1300 Lakeside Ave Main 1-4202
Memphis 7, Tenn, P O Box 8, Frayser Sta Elmwood 7-0366
Union Carbide Plastics Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
Atlanta 3, Ga, 57 Forsyth St Jackson 3-2569
(Boston 94) Needham Hts, Mass, 300 1 Ave Hillcrest 4-5400
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cincinnati 6, O, 2330 Victory Pkwy University 1-3035
Cleveland 14, O, 1300 Lakeside Ave, NE Main 1-4202
Clifton, N J, 1051 Bloomfield Ave Prescott 8-2900
Dallas 6, Tex, 6300 N Central Expwy Emerson 3-1691
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Greensboro, N C, Rm 712, Guilford Bldg Broadway 4-7696
Hartford 3, Conn, 410 Asylum Jackson 5-3185
Kansas City 41, Mo, 910 Baltimore Ave Baltimore 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Milwaukee 3, Wis, 2040 W Wisconsin Ave Division 4-7050
Minneapolis 24, Minn, 4010 W 65 St Walnut 7-8835
Moorestown, N J Belmont 5-6200
Pittsburgh 22, Pa, 537 Smithfield St Express 1-3800
Rochester 18, N Y, 3700 East Ave Ludlow 6-3910
St Louis 22 Mo, 122 N Kirkwood Rd Yorktown 5-2440
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
Union Starch & Refining Co, 301 Washington St, Columbus, Ind Drexel 2-2571
Chicago, Ill, 444 Lake Shore Dr Mohawk 4-4358
Los Angeles, Cal, 6453 Bandini Blvd Raymond 3-4478
San Francisco, Cal, 64 Pine St Yukon 2-5396
United Carbon Co, Inc, 410 Park Ave, N Y Plaza 2-1160
Akron 8, O, 308 Akron Savings & Loan Bldg Franklin 6-8128
Boston 15, Mass, 302 United Bldg Highlands 5-1664
LaGrange, Ill, P O Box 328 Fleetwood 4-4700
Los Angeles 5, Cal, 3932 Wilshire Blvd Dunkirk 4-9368
Memphis 3, Tenn, 2810 Sterick Bldg Jackson 5-0237
United Chem & Organic Products, Div Wilson & Co, Inc, Plummer St & Wentworth Ave, Calumet City, Ill S Chicago 8-5464
N Y 14, 345 Hudson St Oregon 5-8100
United Clay Mines, 101 Oakland St, Trenton 8, N J EX 6-4526
United Fuel Gas Co, P O Box 1273, Charleston 25, W Va Dickens 6-0951
United-Heckathorn, 600 S 4 St, Richmond, Cal Oakland: Landscape 5-9210
United Lacquer Mfg Corp, 1000 W Elizabeth Ave, Linden, N J Hunter 6-8300
Phila, Pa, 23 Maplewood Ave Baldwin 9-2880
U S Borax, 630 Shatto Pl, Los Angeles 5, Cal Dunkirk 7-5151
Atlanta 9, Ga, 1627 Peachtree St, NE
Chicago 45, Ill, 3456 Peterson Ave Independence 3-6262
Cleveland 3, O, 5012 Euclid Ave University 1-0521
N Y 20, 50 Rockefeller Plaza
Phila 4, Pa, 302 Wilford Bldg, 33 & Arch Sts Baring 2-6633
St Louis 8, Mo, Rm 110, 4150 Laclede Ave
United States Gypsum Co, 300 W Adams, Chicago 6, Ill State 2-6100
Albany, N Y, 45 Colvin Ave Ivanhoe 9-2504
Atlanta, Ga, 3330 W Peachtree Rd GE 3-3265
Cincinnati 6, O, Suite 206, 1423 E McMillan University 1-9115
Dallas 35, Tex, 6810 Hines Blvd Fleetwood 1-5386
Kansas City 11, Mo, 4215 Baltimore JE 1-5100
Los Angeles 54, Cal, 2322 W 3 St Dunkirk 8-1171
N Y 17, 415 Madison Ave Plaza 9-6580
Phila 31, Pa, 7616 City Line Ave Greenwood 7-6505
Southfield, Mich, 17220 W Eight Mile Rd Elgin 6-8100

►**U S INDUSTRIAL CHEMS CO,**
99 Park Ave, N Y 16 Oxford 7-0700
Atlanta 3, Ga, 127 Peachtree St 524-5112
Baltimore 3, Md, 200 E Joppa Rd Valley 5-1141
Boston 14, Mass, 150 Causeway St Capitol 7-8140
Chicago 5, Ill, 624 S Michigan Ave Wabash 2-1650
Cincinnati 11, O, 3319 Glenmore Ave Montana 2-1222
Cleveland 13, O, Rockefeller Bldg Cherry 1-0073
Detroit 16, Mich, 1448 Wabash Ave Woodward 1-4220
Kansas City 6, Mo, 823 Walnut St Victor 2-2413
Los Angeles 57, Cal, 1901 W 8 St Dunkirk 8-1423
Louisville 7, Ky, 111 S Hubbard's Lane Twinbrook 5-5456
Minneapolis 16, Minn, 3701 Wayzata Blvd Franklin 7-6450
New Orleans 12, La, 708 Maritime Bldg Jackson 2-0521
N Y 17, 420 Lexington Ave Oxford 7-0700
(Phila) Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-5110
St Louis 17, Mo, 1401 Brentwood Blvd Woodland 1-4400
San Francisco 18, Calif, 515 Spruce St Skyline 2-8070
United States Mica Co, Inc, 26 6 St, Stamford, Conn DA 4-9531
Forest Park, Ill, 1525 Circle Ave Forest 6-2330
Kings Mountain, N C Gastonia 739-5676
US Peroxygen Corp, 860 Morton Ave, Richmond, Cal Beacon 3-5911
United States Pipe & Foundry Co, 3300 1 Ave N, Birmingham 2, Ala Alpine 1-3161
United States Steel Corp, 525 William Penn Pl, Pittsburgh 30, Pa Express 1-2345
Chicago 90, Ill, 208 S LaSalle St Central 6-9200
Fairfield, Ala, P O Box 599 State 5-8011
N Y 6, 71 Bway Digby 4-9000
Salt Lake City 1, Utah, Kearns Bldg Empire 3-4454
United Ultramarine & Chem Co, Inc, 149 Bway, N Y 6 WO 4-1466
Universal Atlas Cement, Div US Steel Corp, 100 Park Ave, N Y 17 Murray Hill 6-7400
Albany 7, N Y, 75 State St Albany 4-2194
Birmingham 9, Ala, 10 Office Park, Mountain Brook Tremont 1-0391
Boston 16, Mass, 20 Providence St Hubbard 2-2444
Chicago 4, Ill, 208 S LaSalle St State 2-9300
Dayton 2, O, 333 W 1st Baldwin 4-9681
Kansas City 5, Mo, 106 W 14 St Baltimore 1-5530
Milwaukee 2, Wis, 208 E Wisconsin Ave Broadway 6-2154
Minneapolis 2, Minn, 527 Marquette Ave Federal 3-0324
Phila 3, Pa, 1617 Penn Blvd Locust 4-4626
Pittsburgh 30, Pa, 525 William Penn Pl Central 1-3840
Waco, Tex, 425 Austin Ave Plaza 4-0331
Universal Detergents, Inc, 1825 E Spring St, Long Beach 6, Cal Garfield 7-9924

Ft Worth 2, Tex, 301-5 Danciger Bldg Edison 2-6990
N Y 17, 420 Lexington Ave Lexington 2-4686
Universal Oil Products Co, 30 Algonquin Rd, Des Plaines, Ill Chicago: Rodney 3-6000
(The) Upjohn Co, Chem Sales Div, 7171 Portage Rd, Kalamazoo, Mich FL 5-3571
Valchem, 1407 Bway, N Y 18 LO 4-6000
Vanadium Corp of America, 420 Lexington Ave, N Y 17 Lexington 2-3580
R T Vanderbilt Co, Inc, 230 Park Ave, N Y 17 Murray Hill 6-6864
Specialties Dept, 230 Park Ave N Y 17 Murray Hill 6-6864
Varcum Chem Div, Reichhold Chems, Inc, Packard Rd, Niagara Falls, N Y Butler 2-2356
Var-Lac-Oid Chem Co, 116 Broad St, N Y 4, Whitehall 4-0348
Varniton Co, 416 N Varney St, Burbank, Cal TH 6-7040
Velsicoll Chem Corp, 330 E Grand Ave, Chicago 11, Ill Delaware 7-7383
Berkeley, Cal, 2082 Center St Thornwall 3-5652
Galena Park, Tex, P O Box 67 Houston: Orchard 2-6371
N Y 1, 350 5 Ave Pennsylvania 6-9341
Verona-Pharma Chem Corp, Springfield Rd, Union, N J Murdock 6-3700
Vickers Petroleum Co, Inc, P O Box 2240, Bd of Trade Bldg, Wichita, Kans Amherst 7-0311

►**VICTOR CHEM WORKS, DIV STAUFFER CHEM CO,** 155 N Wacker Dr, Chicago 6, Ill Dearborn 2-4010
Detroit 35, Mich, 14631 W McNichols Rd Broadway 3-7914
Kansas City 5, Mo, 914 Board of Trade Bldg Harrison 1-2051
Nashville 3, Tenn, 900 Sudekum Bldg Alpine 6-3737
N Y 17, 380 Madison Ave Murray Hill 2-8360
Oakland 18, Cal, 5653 College Ave Olympic 5-7361
South Gate, Cal, 4570 Ardine St Ludlow 8-2214
Wilmington, Del, 308 Delaware Trust Bldg Olympia 8-6588

►**VIRGINIA-CAROLINA CHEM CORP, CHEMS DIV,** 401 E Main St, Richmond, Va MI 8-0113
Albany, Ga, 715 Flint Ave Hemlock 2-2396
Baltimore 26, Md, 2000 Chesapeake Ave Curtis 7-2992
Birmingham, Ala, 3700 14 Ave N Lyric 2-6341
Cincinnati 17, O, Murray Rd Avon 1-1935
Columbia, S C, 407 Barringer Bldg 2-4387
Dubuque, Iowa, E 7 & Commercial Sts 2-3635
East St Louis, Ill, Kings Hwy & Vandalia BR 1-3720
Estherville, Iowa, Hwy 17 S Emerson 2-2673
Ft Wayne, Ind, 2515 Taylor St Anthony 3218
Greensboro, N C, 728 Jefferson Std Bldg 2-4161
Hopkinsville, Ky Tuxedo 6-1291
Jackson 18, Miss, 3401 N Mill St 6-4401
Memphis, Tenn, 152 N Collins Glendale 2-6216
Montgomery, Ala, 1521 N Court St Amhurst 2-2741
Norfolk 14, Va, 525 Western Union Bldg Madison 2-4779
Orlando, Fla, 423 S Orange Ave 2-5174
Orrville, O 940
Remington, Ind 308
Rochester 6, N Y, 90 Lee Rd Glenwood 4451
Shreveport, La, 1910 Claiborne Ave 3-6274
Wilmington, N C, 809 Murchison Bldg 7717
Virginia Smelting Co, 237 Madison Ave, W Norfolk, Va EX 7-3441
Asheville, N C, 13 Woodley Ave Alpine 3-7901
Atlanta, Ga, 3105 Roswell Rd NE Cedar 7-1621
Bellevue, Wash, P O Box 832 Tucker 5-2676
Boston 4, Mass, 131 State St Hubbard 2-5635
Chicago 43, Ill, 10742 S Western Ave Prescott 9-6263
Cuyahoga Falls, O, 215 Franklin Rd WA 3-8498
N Y 16, 270 Madison Ave Oregon 9-1131
Phila, Pa, 804 West Ave, Jenkintown TU 7-4448
Vitamins, Inc, 809 W 58 St, Chicago 21, Ill Hudson 3-3900

►**VITRO CHEM CO,** 342 Madison Ave, N Y C YU 6-2180
Volk Radiochem Co, 8260 Elmwood Ave, Skokie, Ill Orchard 3-3760
Los Angeles 66, Cal, 3030 Sawtelle Blvd
Vulcan Detinning Div, Vulcan Materials Co, Arbor St, Sewaren, N J Mercury 4-6400

W

Wabash Chem Corp, 333 N Michigan Ave, Chicago, Ill Financial 6-7820
N Y 16, 200 Madison Ave OR 9-6230
Charles A Wagner Co, Inc, 4461 N 5 St, Phila 40, Pa Gladstone 7-0600
Wallace Fisheries Co, P O Box 111, Morehead City, N C Park 6-3204
Wallace & Tiernan Inc, 25 Main St, Belleville 9, N J Plymouth 9-8000
See separate listings by divisions:
Harchem Div
Lucidol Div
Wallach-Gracer Export Corp, Empire State Bldg, 350 5 Ave, Suite 1228, N Y 1 LO 4-5490
Wallerstein Co, Div Baxter Labs, Inc, Wallerstein Sq, Staten Island 3, N Y Gibraltar 2-6400
San Francisco 2, Cal, 760 Market St Garfield 1-5731
Warner Co, 1721 Arch St, Phila 3, Pa Locust 3-3900
Bellefonte, Pa Elgin 5-4761
Devault, Pa Niagara 4-7100
N Y C, 101 Park Ave Murray Hill 3-9320
Warwick Chem Div, Sun Chem Corp, Wood River Junction, R I Forest 4-7781
Carlstadt, N J, 631 Central Ave
N Y 17, 750 3 Ave Yukon 6-5500
Rock Hill, S C, 911 E White St Rock Hill 2036

►**WARWICK WAX DIV, WESTERN PETRO-CHEM CORP,** 2 W 45 St, N Y C Murray Hill 7-8220
Chicago 3, Ill, 79 W Monroe St Andover 3-3808
Washine Chem Corp, 165 Main St, Lodi, N J Gregory 1-4500
Wateree Chem Co, Inc, Lugoff, S C HE 2-7722
Waverly Chem Co, Inc, 628 Waverly Ave, Mamaroneck, N Y Owens 8-8550
Chicago 6, Ill, 549 W Washington Blvd Randolph 6-1565
Los Angeles 43, Cal, 4710 Crenshaw Rd Axminster 2-7810
R D Webb & Co, Inc, Stimpson Ave & Stiles St, Linden, N J Wabash 5-4950
Chicago 6, Ill, 605 W Washington Blvd Andover 3-6197
Cos Cob, Conn Townsend 9-8363
Los Angeles 21, Cal, 730 Ceres Ave Angelus 3-1442
Stone Park, Ill, 3106 W N Ave
Welch, Holme & Clark Co, Inc, 1 Hudson St, N Y 13 Barclay 7-4465
(The) Wellsbach Corp, Ozone Processes Div, 2409 W Westmoreland St, Phila 29, Pa Baldwin 5-7167
West Chester Chem Co, P O Box 39, West Chester, Pa Owens 6-9220
W Va Pulp & Paper Co, Industrial Chem Sales Div, 230 Park Ave, N Y 17 Murray Hill 6-8400
Chicago 1, Ill, 35 E Wacker Dr State 2-7336
Cleveland 20, O, 2775 S Moreland Blvd Skyline 2-3333
Phila 7, Pa, Phila Natl Bank Bldg RI 6-2719
Polychems Div, Charleston, S C Sherwood 4-8231
N Y 17, 230 Park Ave MU 6-8400
Western Chem Co, 713-15 Washington St, Kansas City 5, Mo Victor 2-0560
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal Angelus 9-0191
Western Condensing Co, 340 W College Ave, Appleton, Wis Regent 3-6611
Western Dry Color Co, 600 W 52 St, Chicago 9, Ill BO 8-3135
Western Organics, Inc, 12800 E Imperial Hwy, Santa Fe Springs, Cal University 4-2707
Weyerhauser Co, Silvatek Div, Box E, Tacoma 1, Wash FU 3-3361
East Orange, N J, 160 Halsted St Orange 3-1336
Menlo Park, Cal, Suite 210, 1050 University Dr Davenport 3-4158
St Paul 1, Minn, First Natl Bank Bldg Capital 4-4676
West Memphis, Ark, Box 57 Regent 5-5580
White & Bagley Co, PO Box 1171, Worcester, Mass PL 5-6151
Detroit 16, Mich, 1448 Wabash Ave Woodward 2-0377
Whitmoyer Labs, Inc, 19 N Railroad St, Myerstown, Pa Union 6-2151
Whittaker, Clark & Daniels, Inc, 100 Church St, N Y 7 Worth 4-2060
J O Whitten Co Inc, 134 Cross St, Winchester, Mass Parkview 9-4200
N Y C, 120 Washington St Cortland 7-0020
Wica Chems, Inc, P O Box 506, Old Concord Rd, Charlotte, N C Franklin 6-6514
Will & Baumer Candle Co, Inc, Old Liverpool Rd, Syracuse 1, N Y Harrison 2-0411
Boston 9, Mass, 71 Broad St Hancock 6-1897
Chicago 6, Ill, 162 N Franklin St State 2-6531
Los Angeles 15, Cal, 954 S Flower St Madison 2-9008
N Y 10, 300 Park Ave S Gramercy 5-1475
C K Williams & Co, 2001 Lynch Ave, E St Louis, Ill Bridge 1-4600
Boston 9, Mass, 131 State St Lafayette 3-0255
Chicago 6, Ill, 400 W Madison St Andover 3-1688
Cincinnati 2, O, 1312 American Bldg Main 1-2061
Cleveland 15, O, 1501 Euclid Ave Cherry 1-7755
Detroit 27, Mich, 14402 Plymouth Rd Broadway 3-5680
Easton, Pa, 640 N 13 St Blackburn 3-6261
Emeryville 8, Cal, 4650 Shellmound St Olympic 2-4806
Houston 25, Tex, 4010 Bluebonnet, Rm 210 Mohawk 4-2830
Kansas City 11, Mo, 406 W 34 St Logan 1-2676
Los Angeles 1, Cal, 7522 Male Ave Ludlow 7-4218
New Orleans, La, 401 N Causeway Blvd Metairie: Vernon 5-4260
Newark 8, N J, 655 Clinton Ave Bigelow 8-3553
Phila 4, Pa, 101 N 33 St Evergreen 2-2650
Williams Gold Refining Co, Inc, 2978 Main St, Buffalo 14, N Y UN 4-7204
Williams Lime Mfg Co, Inc, 902-904 Hamilton Bank Bldg, P O Box 2286, Knoxville 1, Tenn 523-6133
Wilmington Chem Corp, P O Box 66, Pyles Lane, Hamilton Pk, Wilmington 99, Del OL 8-6212
Wilner Wood Flour Co, Norway, Me Pilgrim 3-6361
Wilson & Co, Inc, Chicago By-Products Div, Dept A 42 & Marshfield Aves, Chicago 9, Ill WH 4-4600
See also separate listings by divisions:
Central Chem Div
United Chem & Organic Products Div
Wilson Labs
Wilson-Martin Div
Wilson Labs, Div Wilson & Co, Inc, 4221 S Western Ave, Chicago 9, Ill Lafayette 3-0110
Los Angeles 54, Cal, 6433 Gayhart St Overbrook 5-8400
N Y 14, 345 Hudson St Oregen 5-8100
Phila 48, Pa, Snyder Ave & Swanson Howard 5-1300

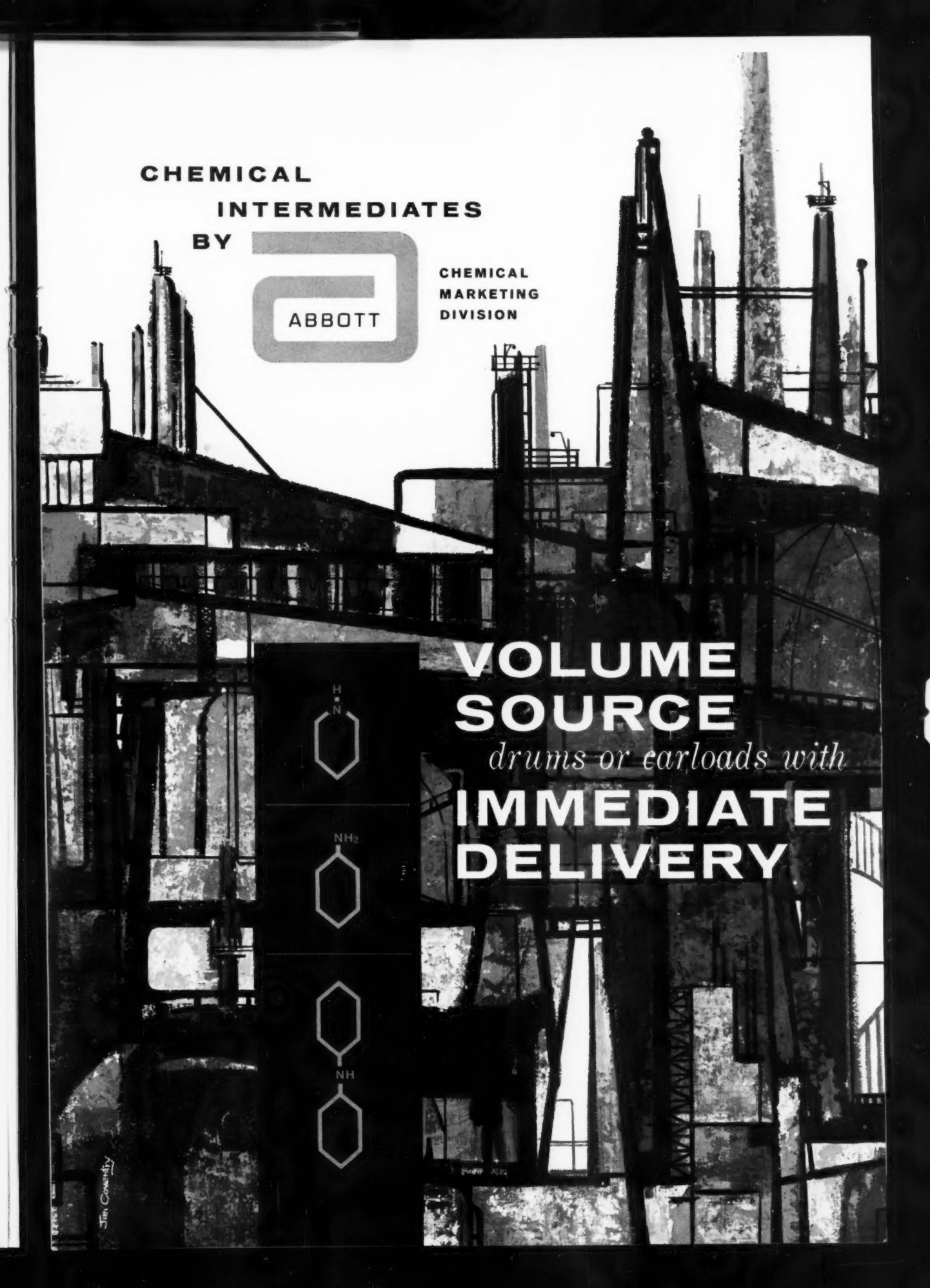
►**WILSON-MARTIN, DIV WILSON & CO, INC,** Snyder Ave & Swanson St, Phila 48, Pa Howard 5-1300
See catalog section for listing of branches
Winthrop Labs, Special Chems Dept, 1450 Bway, Rm 2300, N Y 18 LA 4-6400

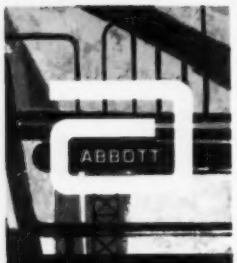
►**WITCO CHEM CO, INC,** Chanin Bldg, Lexington Ave & 42 St, N Y 17 Murray Hill 7-7979
Akron 8, O, 213 W Bowery St Portage 2-8881
Atlanta, Ga, 3323 Peachtree Rd, N E Cedar 3-4215
Boston 7, Mass, Foster St, Quincy Granite 9-2909
Chicago 1, Ill, 75 E Wacker Dr Financial 6-2960
Dallas 18, Tex, 415 Hambricks Rd Davis 1-5727
Houston 19, Tex, 1 Briar Dale Ct Mohawk 4-9868
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 9-1211
Quincy 69, Mass, 7 Foster St Granite 9-2909
San Francisco 27, Cal, 80 Stonestown Lombard 4-1261
See also separate listing by division:
Sonneborn Chem & Refining Corp
Ultra Chem Works
Woburn Chem Corp, 1201 Harrison Ave, Harrison, N J WY 1-3300
Jacques Wolf & Co, Subs Nopco Chem Co, 60 Park Place, Newark, N J HU 4-8400
Carlstadt, N J, 13 St & Berry Ave PR 7-5000
Los Angeles 32, Cal, 4858 Valley Blvd Capitol 1-3128
W A Wood Co, 108 Spring St, Everett, Mass DU 9-2410
Wood Ridge Chem Corp, 84 Park Pl E, Wood-Ridge, N J Webster 9-4600
Woodbury Chem Co, Box 788, St Joseph, Mo Adams 3-1363
Denver, Colo, 5400 Monroe St Acoma 2-5895
Goulds, Fla, Box 497 Circle 7-5061
Orlando, Fla, Box 2529

►**WYANDOTTE CHEMS CORP,** Wyandotte, Mich Avenue 2-3300
Atlanta 9, Ga, 1430 W Peachtree Rd N W Trinity 3-2691
Baton Rouge, La, 244 Peachtree Blvd, Suite 318 Dickens 8-1929
Chicago 11, Ill, 435 N Michigan Ave Superior 7-8866
N Y 17, 60 E 42 St Murray Hill 2-1780
Pasadena, Cal, 232 N Lake St Sycamore 2-5126
Wye Industries, 6 Gen Devine Way, Boston 27, Mass Andrew 9-1160
Wyo-Ben Products Co, 1242 N 28 St, P O Box 1979, Billings, Mont 252-6351

X, Y, Z

Xanthippe Chems, 105 Sutter St, Butte, Mont 2-5314
York Chem Co, Inc, 23 Dean St, Bklyn 1, N Y Ulster 5-3010
Zeen Chem Corp, 2000 Elm St NW, Cleveland 13, O CH 1-8174
Zialite Corp, 92 Grove St, Worcester 5, Mass Pleasant 5-6362
G S Ziegler & Co, 173 Great Neck Rd, Great Neck, N Y Hunter 2-8600
William Zinsser & Co, Inc, 516 W 59 St, N Y 19 CO 5-2800
Chicago 12, Ill, 319 N Western Ave Taylor 9-6488
Zirconium Corp of America, 31501 Solon Rd, Solon 39, O Churchill 8-6191
Zonolite Co, 135 S LaSalle St, Chicago 3, Ill Central 6-5885
Dearborn, Mich, 14300 Henn Ave
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New Orleans, La, P O Box 3193
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CHEMICAL INTERMEDIATES

NAME	FEATURES	GENERAL USES
Piperidine	Purity—98.5% or better. Reactive heterocyclic amine.	Chemical intermediate for pharmaceutical and agricultural chemicals. Resin processing.
Cyclohexylamine	Purity—98% or better. Reactive primary amine. Miscible with polar and non-polar solvents.	Intermediate for dyestuffs, pharmaceuticals, and rubber accelerators; corrosion inhibitor.
Dicyclohexylamine	Purity—98% or better. Soluble in alcohol and ether; insoluble in water.	Chemical intermediate for dyestuffs, oil additives, and corrosion inhibitors
Secondary-Butyl Bromide	$CH_3CH_2CHBrCH_3$	Reactive alkyl halide.	Alkylating agent.
Malonic Ester	$CH_2 < COOC_2H_5 / COOC_2H_5$	Active methylene compound.	Intermediate for pharmaceuticals and industrial chemicals.

PHARMACEUTICAL CHEMICALS

Aluminum Aspirin, N.F.	Tasteless. Stable. Broad compatibility.	Analgesic and antipyretic.
APAP (N-Acetyl p-Aminophenol N.F.)	Efficient analgesic and antipyretic, low toxicity, stable and broad compatibility with other pharmaceutical ingredients.	Analgesic and antipyretic.
Heparin Sodium, U.S.P.	High potency. High purity. Yields colorless solutions.	Anticoagulant. Control of hyperlipemia.
Sucaryl® (cyclamate calcium, U.S.P. and cyclamate sodium, N.F.)	30 to 40 times sweeter than sucrose, more economical than sugar. No after taste. Excellent stability. Broad compatibility.	Non-nutritive sweetener for low-calorie foods and beverages. Flavoring agent for pharmaceuticals.
Hexamic Acid® (cyclohexylsulfamic acid)	Strong acid with pleasant taste. White, crystalline solid. Soluble in water.	For making solid derivatives or organic bases. Acidulant and flavoring agent for pharmaceutical products.
Methapyrilene	Widely used antihistamine.	Antihistaminic and sedative.

RADIO-ACTIVE ISOTOPES *Chemical Grade*

Chemical Grade Sodium Radio-Iodide (I^{131})	Half-life 8 days. Convenient tracer in industrial processing systems. Labelling organic compounds for tracer studies. Commercial quantities available daily.
Chemical Grade Radio-Cobalt Chloride (Co^{57})	Half-life 270 days. Pure gamma emitter. Narrow energy spectrum. Use in Mössbauer Effect (Nuclear Clock). Commercial quantities available daily.
Chemical Grade Dibasic Sodium Radio-Arsenate (As^{74})	Half-life 17.5 days. Routinely available by special arrangement. Available on regular schedule.
Chemical Grade Radio-Bismuth Nitrate (Bi^{206})	Half-life 6.4 days. Routinely available by special arrangement.
Chemical Grade Radio-Germanic Acid (Ge^{68})	Half-life 280 days. Routinely available by special arrangement.
Chemical Grade Radio-Tellurium (Elemental Powder) (Te^{123m})	Half-life 104 days. Routinely available by special arrangement.

SPECIFIC USES

Intermediate for rubber accelerator. Curing agent for epoxy resins. Intermediate for pharmaceutical chemicals. Condensing agent for active methylene reactions and aldol condensations.

Intermediate for rubber accelerator.
Surfactants from fatty acid salts.
Prevents corrosion in boiler water.

Intermediate for vapor phase corrosion inhibitors.
Intermediate for dyestuffs.

Introduction of secondary-butyl side chain.

Intermediate for mono- and di-alkylmalonates.
Intermediate for barbiturates and thiobarbiturates.
Intermediate for acids, alcohols, amides, urethanes.

Chewable tablets.
Combinations with antihistaminics for treatment of cold symptoms.
Combinations with steroids for antiarthritic therapy.

Superior analgesic and antipyretic for ethical and proprietary products.

Proplylactic and therapeutic treatment of thrombosis or embolism.
Reduction of hyperlipemia in management of atherosclerosis.

Sweetening agent for low-calorie soft drinks.
Sweetening agent for dietetic fruits, desserts, and other food products.
Flavoring agent for masking taste of drugs in pharmaceutical products.
Sweetener in curing pickle for bacon and ham.

Acidulant, flavoring adjunct for pharmaceutical tablets and liquids.
Forms crystalline derivatives with most organic bases.

Permitted in proprietary and ethical products. Treatment of allergies.
Prevention and treatment of colds. Proprietary sedative.

New volume source of basic chemical intermediates—drum or carload quantities.

First private source for chemical grade radio-active isotopes on a regular or specially-arranged shipping schedule.

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- ☐ Piperidine
- ☐ Cyclohexylamine
- ☐ Dicyclohexylamine
- ☐ Secondary-Butyl Bromide
- ☐ Malonic Ester

PHARMACEUTICAL CHEMICALS

- ☐ APAP
- ☐ Aluminum Aspirin
- ☐ Heparin
- ☐ Sucaryl® (bulk quantities)
- ☐ Hexamic Acid®
- ☐ Methapyrilene

RADIO-ACTIVE ISOTOPES Chemical Grade

- ☐ I^{131}
- ☐ Co^{57}
- ☐ As^{74}
- ☐ Bi^{206}
- ☐ Ge^{68}
- ☐ Te^{123m}

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ABBOTT

CHEMICAL INTERMEDIATES

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- ☐ Cyclohexylamine
- ☐ Dicyclohexylamine
- ☐ Secondary-Butyl Bromide
- ☐ Malonic Ester

PHARMACEUTICAL CHEMICALS

- ☐ APAP
- ☐ Aluminum Aspirin
- ☐ Heparin
- ☐ Sucaryl® (bulk quantities)
- ☐ Hexamic Acid®
- ☐ Methapyrilene

RADIO-ACTIVE ISOTOPES Chemical Grade

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- ☐ Bi^{206}
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Esterifications
Extractions
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Halogenations
Hydrogenations
Hydrolyses
Oxidations
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For detailed information on the products and processes described here, or for a complete listing of Abbott Chemicals, please contact:

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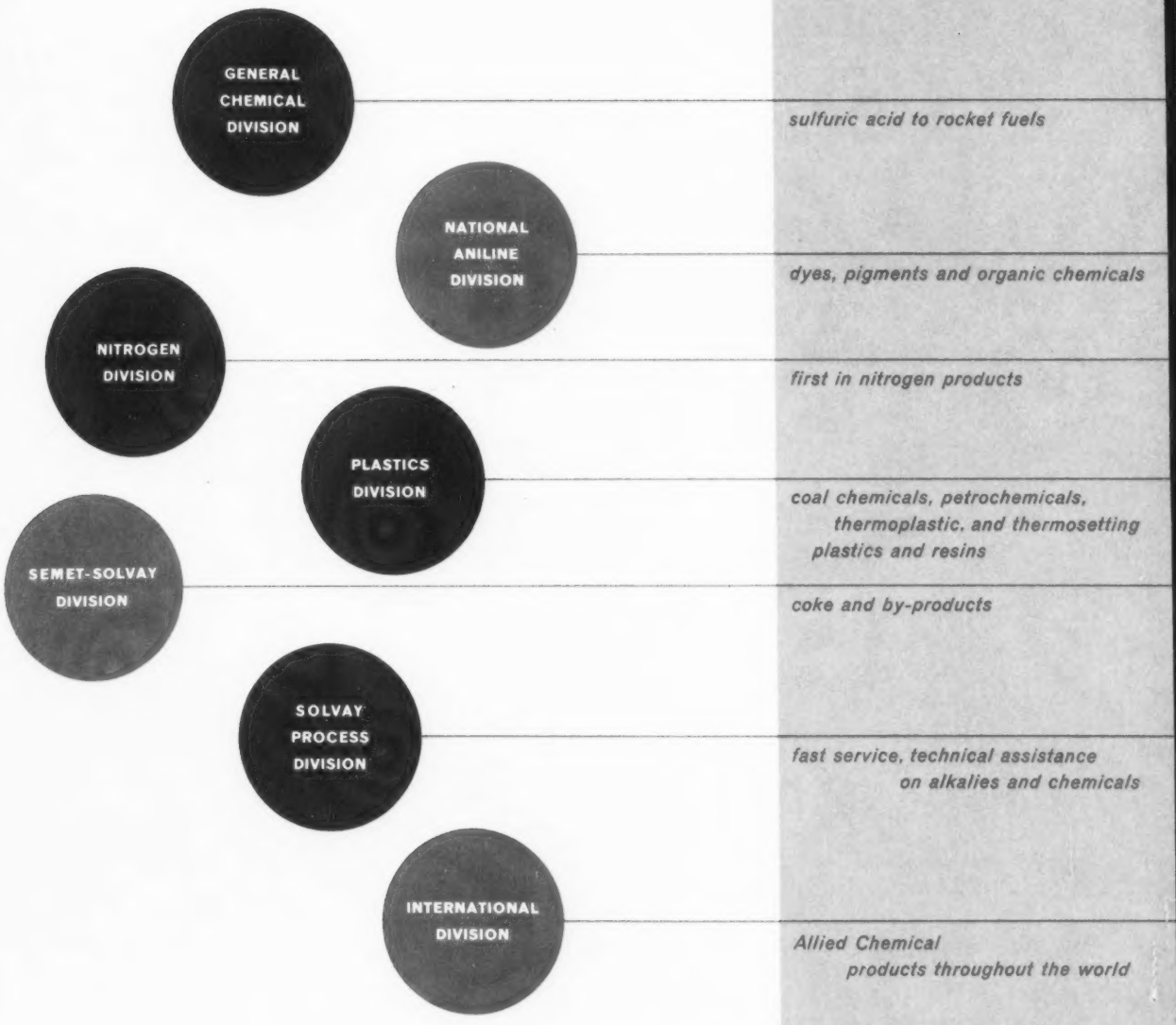
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National Aniline Division–NATIONAL dyes and certified colors, NACCONOL detergents, organic chemicals and intermediates, NATIONAL biological stains and indicators; pharmaceutical chemicals, NACCONATE diisocyanates for urethanes, CAPROLAN polyamide fiber.

Nitrogen Division – ARCADIAN fertilizers, nitrogen solutions, PROCADIAN feed mixtures, ammonia, urea, ethylene oxide, ethylene glycols, ethanolamines.

Plastics Division
–coal-tar chemicals; PLASKON molding compounds, industrial resins and coatings resins; industrial tar products including creosote oils, pitches, coatings and pipeline enamels, A-C polyethylenes.

Semet-Solvay Division – coke and by-products, WILPUTTE by-product coke ovens, engineering services.

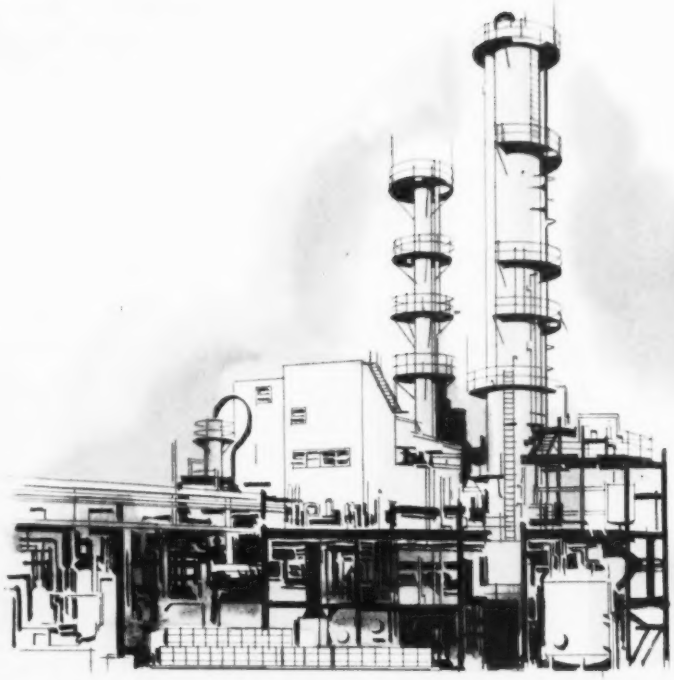
Solvay Process Division – soda ash, caustic soda, potassium carbonate, caustic potash, chlorine, chloromethanes and benzenes, hydrogen peroxide; calcium, aluminum and ammonium chlorides; cleaning compounds; vinyl chloride; MUTUAL chromium chemicals.

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Today, in its more than 100 plants, laboratories, mines and quarries, Allied Chemical is developing many new products, new methods and new applications while continuing to provide for industry an assured source of basic chemicals of unexcelled quality and uniformity. For further information on any of the products listed in this insert, fill out and mail the return post cards on the last page.

TO OUR CUSTOMERS OUTSIDE THE UNITED STATES . . .

Many of the Allied Chemical products described in these pages will be of interest to processing industries abroad. Through its International Division, Allied Chemical provides a network of branch offices and distributors in Europe, Asia and Latin America to serve its customers in these areas. Please write to Allied Chemical International for information.



ALLIED CHEMICAL CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

European Office: 19 Avenue des Arts, Brussels 4, Belgium
Mexico–Central America Office: Paseo de la Reforma 76, Oficina 401, Mexico 6, D. F., Mexico
Service Representative: Post Box 60, Miraflores, Lima, Peru
Service Representative: Post Box 576, Hong Kong



REAGENTS, FINE & SPECIAL CHEMICALS

General Chemical is a pioneer producer of high purity process and laboratory chemicals, including "C.P." acids, reagents, fine and special chemicals which it markets under the Baker & Adamson trademark. Its principal types of products in these categories are outlined below. For further details, write for our 324 page catalog "Baker & Adamson Laboratory Reagents and Fine Chemicals".

LABORATORY REAGENTS

For over 75 years, laboratory chemists have been able to rely on the purity of "B & A" reagents with utmost confidence. Today, General Chemical offers the most widely used line of laboratory chemicals in America, embracing more than 1000 high purity products. They are produced in various grades including Reagent and Reagent ACS; "C.P."; "U.S.P." and "N.F."; Purified and Technical. "B & A" laboratory reagents are stocked both in General Chemical's nation-wide network of modern distributing stations, and by many leading laboratory supply houses throughout the country.

FINE CHEMICALS

General Chemical's wide range of "B & A" fine and special chemicals are noteworthy for high quality and for strict compliance with exacting specifications. The extensive facilities of Baker & Adamson Works at Marcus Hook, Pa., are designed for the production of reagents and fine chemicals of the same high purity, whether in tons or ounces. Such diversity enables General Chemical to serve the chemical needs of a manufacturer in every stage of his product development program, from laboratory research through commercial production.

B & A MINERAL ACIDS Reagent ("C.P.") A.C.S.

General Chemical has been America's foremost producer of mineral acids for more than half a century. Its Baker & Adamson Reagent Acids and Ammonia represent a combination of this broad manufacturing experience and the most advanced reagent production techniques.

Although they are produced by the carload for process use, all "B & A" Reagent Acids and Ammonia comply with the exacting specifications of the American Chemical Society governing reagents suitable for careful analytical work. The company's reagent acid production facilities are located in centers of industry across the country. In addition, extensive stocks of "C.P." acids are carried at General Chemical's nation-wide chain of distributing stations.

ELECTRONIC GRADE CHEMICALS

General Chemical has created a whole new line of ultra-pure "Electronic-Grade" Chemicals to meet increasingly stringent standards of quality for materials used in the manufacture of electronic components and devices. Included, for example, are the highest purity electronic-grade hydrofluoric acid and hydrogen peroxide available. All electronic chemicals are available in tonnage quantities for large scale production, or in small packages where only a few ounces are required. For full details, send for our "Electronic Grade Chemicals" brochure.

"CUSTOM-MADE" SPECIAL CHEMICALS

General Chemical is well equipped to produce special chemicals made "to order" to meet individual specifications. Frequently, their manufacture can be undertaken readily in existing plant facilities. Whenever need of such a chemical is foreseen, an early discussion of your needs with a "B & A" representative is recommended so that production can be planned to dovetail delivery with the flow of your other process materials.

B & A OFFICES

"B & A" sales offices in key cities throughout the United States and Canada are listed below.

On the staff of each are salesmen with special training and experience in the laboratory and fine chemicals field who can be relied upon to discuss your requirements and problems in a constructive manner.

Albany* · Atlanta · Baltimore · Birmingham* · Boston* Bridgeport* · Buffalo* · Charlotte* · Chicago* · Cleveland* Denver · Detroit* · Houston* · Jacksonville · Los Angeles* Milwaukee · Minneapolis · New York · Philadelphia* Pittsburgh* · Portland (Ore.) · Providence* · St. Louis* San Francisco* · Seattle*.

*Complete stocks here & at Baton Rouge, La.

ALLIED CHEMICAL CANADA, LTD.
Head Office: 1450 City Councillors St., Montreal 2, Que.

B & A DISTRIBUTING STATIONS

*Extensive stocks of Baker & Adamson fine chemicals and laboratory reagents are maintained at General Chemical's own distributing stations in key cities (indicated by asterisks above.) At each station, special effort is made to build stocks best suited to local industrial, scientific and educational laboratory needs. Further, supplies of special reagents and fine chemicals required regularly by individual customers are also carried.

Allied Chemical

GENERAL CHEMICAL DIVISION
40 Rector Street, New York 6, N. Y.

FLUORINE COMPOUNDS

INORGANIC AND ORGANIC

With its basic position in hydrofluoric acid and elemental fluorine—and in the raw materials from which they are made—General Chemical is geared to produce virtually any fluorine chemical that industry might require. Listed here are the inorganic and organic fluorine compounds the company presently offers in commercial, pilot plant or experimental quantities. In addition to these, General Chemical has a number of other fluorine products under investigation.

INORGANIC FLUORINE COMPOUNDS

FLUORINE
Elemental Fluorine, Gas & Liquid

ACIDS
Fluoboric Acid
Fluosulfonic Acid
Hydrofluoric Acid, Anhydrous
Hydrofluoric Acid, Anhyd. High Purity
Hydrofluoric Acid, Aqueous Tech.
Hydrofluoric Acid, Aqueous, Purif. & Reag.
Hydrofluoric Acid, Electronic

ACID FLUORIDES
Ammonium Bifluoride
Potassium Bifluoride
Sodium Bifluoride

ALKALI FLUOBORATES
Ammonium Fluoborate
Potassium Fluoborate
Sodium Fluoborate

ALKALI FLUORIDES
Ammonium Fluoride
Potassium Fluoride, Cryst. & Anhyd.
Sodium Fluoride, Tech.
Sodium Fluoride, Reagent

DOUBLE FLUORIDES
Chromium Potassium Fluoride
Potassium Ferric Fluoride
Potassium Nickel Fuoride
Potassium Titanium Fluoride
Potassium Zinc Fluoride
Potassium Zirconium Fluoride
Sodium Zirconium Fluoride
Sodium Silico Fluoride
Potassium Aluminum Fluoride

HALOGEN FLUORIDES
Bromine Trifluoride
Bromine Pentafluoride
Chlorine Trifluoride
Iodine Pentafluoride

METAL FLUORIDES
Aluminum Fluoride
Aluminum Fluoride, Crystal
Antimony Trifluoride
Antimony Pentafluoride
Barium Fluoride
Cadmium Fluoride
Calcium Fluoride
Chromium Trifluoride
Cupric Fluoride
Lead Fluoride
Magnesium Fluoride
Mercuric Fluoride
Manganese Trifluoride
Molybdenum Hexafluoride
Nickelous Fluoride
Silicon Tetrafluoride
Silver Difluoride
Stannous Fluoride
Strontium Fluoride
Titanium Tetrafluoride
Tellurium Hexafluoride
Tungsten Hexafluoride
Zirconium Tetrafluoride

NON-METALLIC FLUORIDES
Boron Fluoride Gas
Boron Fluoride Diacetic Acid Complex
Boron Fluoride Di-n-Butyl Ether Complex
Boron Fluoride Dihydrate
Boron Fluoride Ether (Diethyl) Complex
Boron Fluoride Ethyl "Cellosolve" Complex
Boron Fluoride Hexamethylene-tetramine Complex
Boron Fluoride Monoethylamine Complex
Boron Fluoride Monohydrate
Boron Fluoride Para-cresol Complex
Boron Fluoride Phenol Complex
Boron Fluoride Phenolate-Polyethylene Glycol Complex
Boron Fluoride Piperidine Complex
Boron Fluoride Triethanolamine Complex
Boron Fluoride Urea Complex
Sulfur Hexafluoride

METAL FLUOBORATE SOLUTIONS
Cadmium Fluoborate
Chromium Fluoborate
Cobalt Fluoborate
Copper Fluoborate
Ferrous (Iron) Fluoborate
Indium Fluoborate
Lead Fluoborate
Nickel Fluoborate
Silver Fluoborate
Stannous (Tin) Fluoborate
Zinc Fluoborate

ORGANIC FLUORINE COMPOUNDS

FLUOROMETHANES
Trichloromonofluoromethane CCl_3F (Genetron 11)
Dichlorodifluoromethane CCl_2F_2 (Genetron 12)
Monochlorodifluoromethane $CHClF_2$ (Genetron 22)
Trifluoromethane (Fluoroform) CHF_3
Monochlorotrifluoromethane $CClF_3$ (Genetron 13)
Dichloromonofluoromethane $CHCl_2F$
Carbon Tetrafluoride CF_4

FLUOROETHANES
Monochlorotrifluoroethane CH_2ClCF_3
Trichlorotrifluoroethane $CF_2Cl{\cdot}CFCl_2$ (Genetron 113)
Dichlorotetrafluoroethane CCl_2FCF_3 (Genetron 114)
Monochlorodifluorethane CH_3CClF_2 (Genetron 142b)
Tetrachlorodifluoroethane CCl_2FCCl_2F
Difluoroethane (Ethylidene Fluoride) $CH_3{\cdot}CHF_2$ (Genetron 152a)
Monochloropentafluoroethane $CClF_2{\cdot}CF_3$

FLUOROETHYLENES
Trifluorochloroethylene $CClF{=}CF_2$ (Genetron 1113)
Difluoroethylene (Vinylidene Fluoride) $CH_2{=}CF_2$ (Genetron 1132a)
Dichlorodifluoroethylene $CCl_2{=}CF_2$ (Genetron 1112a)

FLUOROBROMOETHANE
Dibromodifluoroethane $CH_2Br{\cdot}CBrF_2$ (Genetron 132bB_2)

OTHER FLUORO ORGANICS
Perfluoropropane C_3F_8
Perfluorobutane C_4F_{10}
Chloro Fluoro Acetic Acids
Chloro Fluoro Acetones

Most of General Chemical's organic fluorine compounds are marketed under the trade-name Genetron*. They are used in some of the following applications and are under investigation for many more.

1. REFRIGERANTS: "Genetron" Super-Dry Refrigerants are used as refrigerants in practically every type of household, commercial and industrial refrigeration and air conditioning equipment.

2. AEROSOL PROPELLANTS: General Chemical offers an extensive line of "Genetron" propellants. They are ideally suited for formulating virtually every type of aerosol.

3. FOAM BLOWING AGENTS: "Genetron" halogenated hydrocarbons are being used successfully as blowing agents for rigid and flexible urethane foams to which they impart improved properties

4. SELECTIVE SOLVENTS: "Genesolv"* solvents are used where the ultimate in purity is required. For example: electronic device manufacture; film cleaning; separation of organic mixtures; low temperature chemical reactions.

5. OTHER USES: Monomers for the manufacture of fluorinated plastics. Dry cleaning agents. Gaseous dielectrics. Rocket and satellite applications. Flame extinguishers.

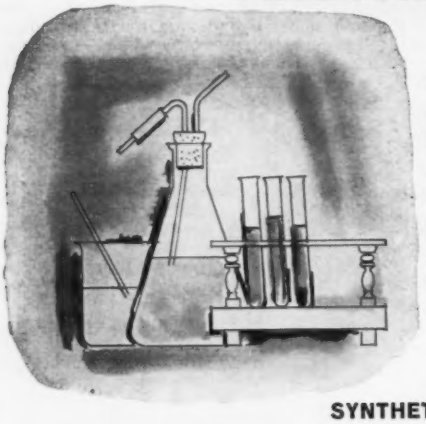
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When your work indicates need for fluorine chemicals—see General Chemical. With 50 years' experience in the field, we may be able to save you time, money and effort. For further information on these products, consult your nearest General Chemical sales office listed on back cover.

*Reg. Trade Mark

dyes, pigments and organic chemicals

PRODUCTS OF NATIONAL ANILINE DIVISION



National Aniline Division has always been closely associated with chemicals for color—dyes, pigments, certified food colors, biological stains. Yet, today, National Aniline has so extended its line that almost every type of reaction in organic chemistry is now used in the Division's commercial operations. Outstanding among new products recently developed by National Aniline are the diisocyanates, principal ingredients in the manufacture of urethane foams.

SYNTHETIC ORGANIC CHEMICALS
FOR THE CHEMICAL AND PHARMACEUTICAL INDUSTRIES

We will be glad to supply you with samples and technical information and also our organic catalog.

Adipic Acid
Aniline
DL-Aspartic Acid
Broenner's Acid
(6-Amino-2-naphthalenesulfonic Acid, Sodium Salt)
Butyraldoxime
Caprolactam
Coupler 2,3,6®
(2,3-Dihydroxynaphthalene-6-sulfonic Acid, Sodium Salt)
Cyclohexanone Oxime
o-Dianisidine (3,3'-Dimethoxybenzidine)
3,3'-Dichlorobenzidine Hydrochloride
(3,3'-Dichloro-4,4'-biphenyldiamine Hydrochloride)
Diaminostilbenedisulfonic Acid
Dimethylaniline
Dodecenylsuccinic Anhydride
Dye Intermediates
Fumaric Acid
H Acid
Isatin
Hexahydrophthalic Anhydride
(Cyclohexane-1,2-dicarboxylic Anhydride)
Maleic Anhydride
Malic Acid (Technical and Food Grades)
Methyl Ethyl Ketoxime (MEK Oxime)
Nadic® Anhydride (endo-cis-Bicyclo—(2·2·1)hept-5-ene-2,3-dicarboxylic Anhydride)
Nadic® Methyl Anhydride
(Methylbicylo(2·2·1)heptene-2,3-dicarboxylic Anhydride Isomers)
Nadone® Cyclohexanone
α-Naphthol
α-Naphthylamine
Naxol® Cyclohexanol
Nitrobenzene (Myrbane Oil)
p-Nitrotoluene
Phthalazone
Phthalic Anhydride
m-Phenylenediamine
Succinic Acid
Succinic Anhydride
Tetrahydrophthalic Anhydride
(4-Cyclohexene-1,2-dicarboxylic Anhydride)
o-Tolidine
o-Toluidine
p-Toluidine

NACCONATE® DIISOCYANATES

Nacconate 80
(80:20 mixture of 2,4-and 2,6-Tolulene-diisocyanates)
Nacconate 65
(65:35 mixture of 2,4-and 2,6-Tolulene-diisocyanates)
Nacconate 100
(2,4-Tolulenediisocyanate)
Nacconate 200
(3,3'-Bitolylene-4,4'-diisocyanate)
Nacconate 300
(Diphenylmethane-4,4'-diisocyanate)
Nacconate 4040
(80:20 mixture of 2,4-and 2,6-Tolulene-diisocyanates)

NACCONOL® SURFACTANTS

and other National surfactants

Nacconol NR
(40% active flake)
Nacconol SX
(40% active granules)
Nacconol SW
(40% active powder)
Nacconol Beads
(40% active light beads)
Nacconol DB
(40% active dense beads)
Nacconol DBX
(40% active extra dense beads)
Nacconol SL
(Liquid, 35% active)
Nacconol 60S
(Liquid, 60% solids)
Nacconol HG
(60% active flake)
Nacconol Z
(85% active flake)
Nacconol NRSF
(92.5% active flake)
Nacan® (textile agent)
Naccosol® A
Naccotan® A
Naccolene® A Conc.
Lathanol® LAL

BIOLOGICAL STAINS, INDICATORS AND STAINING SOLUTIONS

We also offer a complete line of Certified Biological Stains, Colorimetric Indicators, Oxidation-Reduction Indicators, Reagent Solutions, Medicinal Dyes, Diazo Salts and USP and NF Dyes.

CERTIFIED COLORS

One of America's oldest and largest producers of Certified Colors for the Food, Beverage, Drug, Medicinal and Cosmetic Industries, our line is distinguished for absolute uniformity of shade, solubility and pure dye strength. We have recently added to our certified color line a full range of the newly approved FD & C lakes. Phone or write our nearest office for a complete catalog containing valuable data on formulations and applications.

HARMON COLORS

Organic Pigments

NATIONAL® ANTIOXIDANTS AND ANTISKINNING AGENTS

ASA® Antioxidant B® Antioxidant D®

CAPROLAN® NYLON FIBERS

Allied Chemical

NATIONAL ANILINE DIVISION
40 Rector Street, New York 6, N.Y.
Atlanta, Boston, Charlotte, Chicago, Greensboro, Los Angeles, Philadelphia, Portland, Ore., Providence, San Francisco
In Canada: Allied Chemical Canada, Ltd., Montreal, Toronto

first in nitrogen

PRODUCTS OF NITROGEN DIVISION

The leading manufacturer of synthetic ammonia and the nitrogen products made from it, Nitrogen Division has recently played an increasingly important role in the development of nitrogen fertilizer solutions. Nitrogen Division was the first to produce synthetic ammonia in the United States, and its giant Hopewell, Va. plant, world's largest ammonia producer, has been in continuous 24-hour operation since it opened in 1928. This Division is also an important producer of ethylene derivatives.



...serving the chemical industry through experience, facilities, research

Conveniently located stock points from coast to coast guarantee prompt delivery. All plants are serviced by rapid transportation methods which include rail, truck and water facilities. Products are packaged in containers selected as most convenient for plant handling.

An intimate knowledge of the chemical-using industries and their problems, accumulated since 1890, helps us to serve you efficiently and intelligently. Experienced technical service personnel are always ready to assist you in the handling and use of Nitrogen Division products.

ANHYDROUS AMMONIA

Specifications:

Refrigeration Grade

NH_3 Content, % by wt. .....99.98 min.
Non-condensable gas, ml./gm. .....0.2 max.
Moisture Content, % by wt. .....0.015 max.
Residue including moisture, % by wt. ..... .017 max.
Pyridine .....None

Commercial Grade

NH_3 content guaranteed 99.50% min.

SHIPPING AND PACKAGING: Both Commercial and Refrigeration grade NH_3 are shipped in barges, high-pressure insulated tank cars of 10,000-gallon capacity and in tank wagons. Only Refrigeration grade is shipped in tank trucks and in cylinders of 150, 100 and 50-lb. capacity.

Physical Properties:

Formula .....NH_3
Appearance .....Colorless
Odor .....Pungent
Molecular Weight 17.032
Boiling Point[1] .....–33.35°C. (–28°F.)
Freezing Point[1] .....–77.7°C. (–107.9°F.)
Critical Temperature .....133.0°C. (271.4°F.)
Critical Pressure .....1657 psia (113.8 atm.)
Spec. grav. of gas[2] (Air=1) 0.596
Heat of vaporization at B.P.[1] ....589.3 Btu/lb.
Density of liquid at 60°F. .....0.62g. per ml.

[1] *At one atmosphere = 760 mm. of mercury.*
[2] *One ATM. 60°F.*

AQUA AMMONIA

Specifications:

	Grade A	Grade B
Ammonia Content	Not less than 29.4%	Not less than 25%
Gravity	26° Bé min.	–
Color	Water-white	0.06 max.[1]
Hydrogen Sulfide	None	None
Pyridine	Less than 1 gram per liter	Not more than 2 grams per liter
Organic Matter	50 max.[2]	100 max.[2]
Naphthalene	–	0.03% max.

[1] *Color equivalent to 0.06 grams of potassium dichromate in one liter of dilute sulfuric acid.*
[2] *Volume in ml. of 0.01 normal potassium permanganate required to completely oxidize at 85 to 90°C. organic matter in 100 ml. of ammonia liquor.*

SHIPPING AND PACKAGING: Shipped in 10,000 and 8,000 gallon tank cars and tank trucks. 30% solution contains about 11 tons NH_3 gas with balance as water. Safety valves located on top of domes are set to relieve pressure at 25 psig. Not regulated by Interstate Commerce Commission, but usually shipped in I.C.C. specification tank cars.

Physical Properties:

Appearance .....Clear, water-white liquid
Odor .....Pungent
Specific Gravity of 29.4% NH_3, 60/60° F. .....0.8974 (26° Bé)
Explosive limits of NH_3 gas (percent by volume in air) ..about 16 to 25
Freezing Point (29.4% NH_3 .....–107°F. (–77.2°C.)

AMMONIUM NITRATE WATER SOLUTIONS

Specifications:

	NFS-83	NFS-50
Ammonium Nitrate	83%	50%
Water (approximate)	17%	50%
Typical Analysis, % by wt!		
Free Ammonia	0.05	0.03
Sodium Nitrate, not more than	0.03	0.02
Chlorides (Cl)	0.006	0.004
Silica (SiO_3)	0.002	0.001
Iron (Fe_2O_3)	0.002	0.001
Alumina (Al_2O_3)	0.002	0.001
Chromium (Cr_2O_3)	0.0001	0.0001
Lime (CaO)	0.002	0.001
Magnesia (MgO)	0.0001	0.0001
Sulfates (SO_3)	0.006	0.0004

SHIPPING AND PACKAGING: NFS-83 and NFS-50 are shipped in 10,000-gallon tank cars from the Nitrogen Division's producing plants at Hopewell, Virginia, and South Point, Ohio. NFS-83 is shipped hot, in insulated tank cars, to reduce salting out.

Physical Properties:	NFS-83	NFS-50
Apparent Specific Gravity at 60°F.	1.497	1.225
Weight per gallon, lbs.	12.49	10.26
Vapor pressure at 104°F.	None	None
Salting Out Temp., °F.	154	22
Boiling Point, °F.	270	230.5

SULFATE OF AMMONIA

Specifications:

Commercial Grade

Ammonia Content: minimum 25% by weight. Moisture and Free Acid: Combined moisture and free acid content shall not exceed 2.50% and in no case shall product contain more than 0.25% of "Free" acid.

SHIPPING AND PACKAGING: Shipped in bulk and bags.

Physical Properties:

White to light gray-green salt depending on method of manufacture. Odorless or may have slight tarry odor. Solubility in water at 0°C. (32°F.) is 70 grams in 100 grams of water.
Formula .....$(NH_4)_2SO_4$
Molecular Weight 132.14
Specific Gravity at $\frac{20°C.}{4}$ 1.769
NH_3 content, not less than 25.0%

FORMALDEHYDE

Specifications:

	37% Low Methanol	37% Inhibited	45% Low Methanol	50% Low Methanol
Color (APHA) max.	5	5	5	5
Turbidity (Hellige) max.	5	5	5	5
pH (Glass Electrode) min.	3.0	3.0	3.0	3.0

Acidity (as Formic Acid) max.	0.02%	0.02%	0.03%	0.03%
Methanol from Specific Gravity 6.0– max.	1.5%	8.0%	1.5%	1%
Non-Volatile Residue max.	0.04%	0.04%	0.04%	0.04%
Iron (as Fe) max.	1 ppm.	1 ppm.	1 ppm.	1 ppm.

SHIPPING AND PACKAGING: 8,000 and 10,000 gallon resin-lined cars from South Point, Ohio. Tank truck deliveries can be made from South Point, Ohio and strategically located bulk terminals.

Physical Properties:

Formula ..... HCHO

37%, 45% and 50% Solution

Appearance ..... Clear, Colorless
Odor ..... Pungent
Autoignition Temperature .... 430°C. (806°F.)
Acidity ..... Very slightly acid

Densities:

Specific Gravity	% Formaldehyde	% Methanol	Temp. °C.	Temp. °F.
1.1101	37	1	25	77
1.0925	37	8	25	77
1.0825	37	12	25	77
1.116	45	1	55	131
1.121	50	1	65	149

Minimum Storage Temperature:

Temperature °C.	Temperature °F.	% Formaldehyde	% Methanol
35	95	37	<1
16	60	37	8
6	43	37	12
55	131	45	<1
65	149	50	<1

Flash Points of Formaldehyde Solutions

Flash Point °C.	Flash Point °F.	% Formaldehyde	% Methanol
85	185	37	0.5
67	152	37	8
56	133	37	12
80	176	45	1
79	174	50	1

U.F. CONCENTRATE-85

Solution of formaldehyde and urea, in approximate mol ratio of 4.8 to 1.

Typical analysis:

Formaldehyde, % by wt. 60
Urea, % by wt. 25
Water, % by wt. 15
Methanol, % by wt. ..... 0.3 max.
Salts, % by wt. ..... 0.2 max.
Free formic acid. ..... Nil

SHIPPING AND PACKAGING: Shipped in 10,000 and 8,000 gallon tank cars and 3,500 gallon tank trucks of aluminum, stainless steel, or resin-lined mild steel construction and 55 gallon lined drums from South Point, Ohio.

Physical Properties:

Specific Gravity ..... 1.32 at 25/15°C.
Weight per Gallon ..... 11.0 lbs.
Viscosity 0°C. ..... 1250 cp.
10°C. ..... 820 cp.
25°C. ..... 260 cp.
55°C. ..... 40 cp.
Surface Tension ..... 64 dynes/cm. at 25°C.
Color, APHA ..... 10 max.
Turbidity, Hellige ..... 10 max.
Refractive Index, n_D ..... 1.472 at 25°C.
Boiling Point ... About 100°C. at 760 mm. Hg.
Freezing Point ..... –20 to –30°C.
Vapor Pressure 25°C. ..... 10 mm. Hg.
39°C. ..... 31 mm. Hg.
49°C. ..... 50 mm. Hg.
62°C. ..... 100 mm. Hg.
Flash Point, Cleveland Open Cup Method ..... None*
pH ..... Approximately 8 at 25°C.

**Does not flash at temperatures up to boiling point.*

ETHYLENE GLYCOL

Specifications:	Industrial Grade	X-HP Grade
Specific gravity 20/20°C.	1.1151-1.1156	1.1151-1.1156
Boiling Range, ASTM Initial Boiling Point	193°C., min.	193°C., min.
5 ml.	195°C., min.	194°C., min.
95 ml.	202°C., max.	200°C., max.
Dry Point	210°C., max.	205°C., max.
Acidity, as Acetic Acid	0.005 wt. %, max.	0.005 wt. %, max.
Inorganic Chlorides, as Cl	0.1 ppm. max.	0.1 ppm. max.
Sulfates	–	Not Detectable
Water	0.3 wt. %, max.	0.3 wt. %, max.
Water Solubility	Miscible, all proportions at 25°C.	Miscible, all proportions at 25°C.
Ash	0.005 g/100 ml., max.	0.005 g/100 ml., max.
Iron	–	0.15 ppm. max.
Color APHA	10 max.	10 max.
Odor	Mild	Mild
Suspended Matter	Substantially free	Substantially free

SHIPPING AND PACKAGING: Shipped in 10,000, 8,000, 6,000, 4,000 and compartmented 6,500 gallon tank cars from plant at Orange, Texas. Also available in tank trucks and compartmented tank trucks and 55 gallon drums from stocks located in major cities.

DIETHYLENE GLYCOL

Specifications:

Specific Gravity ... 1.1170-1.1200 at 20/20°C.
Boiling Range, ASTM
Initial Boiling Point ..... 235°C., min.
Dry Point ..... 260°C., max.
Acidity, as Acetic Acid ..... 0.01 wt. %, max.
Water ..... 0.2 wt. %, max.
Ash ..... 0.05 gm./100 ml., max.
Color ..... 15 APHA, max.
Suspended Matter ..... Substantially Free

SHIPPING AND PACKAGING: Same as for Ethylene Glycol.

Physical Properties:

CH_2-CH_2-OH
Formula ..... O
CH_2-CH_2-OH
Appearance ... Clear, Colorless, Viscous Liquid
Molecular Weight 106.12
Specific Weight, 20°C. ..... 9.31 lbs./gal.
Specific Gravity, 20/20°C. 1.1184
Boiling Point, 760 mm. Hg. ..... 245.0°C.
Freezing Point ..... –9°C.
Vapor Pressure, 20°C., mm. Hg. ..... <0.01
Flash Point, ASTM Open Cup ..... 275°F.
Viscosity, 20°C. ..... 35.7 centipoises
Solubility in Water ..... Complete

TRIETHYLENE GLYCOL

Specifications:

Specific Gravity.....1.122-1.127 at 20/20°C.
Boiling Range, ASTM
Initial Boiling Point .....275°C., min.
Dry Point .....300°C., max.
Acidity, as Acetic Acid .....0.01 wt. %, max.
Water .....0.1 wt. %, max.
Color .....50 APHA, max.
Suspended Matter .....Substantially Free

SHIPPING AND PACKAGING: Same as for Ethylene Glycol.

Physical Properties:

Formula ..... $HO-(CH_2-CH_2-O)_2-CH_2-CH_2-OH$
Appearance .....Clear, Colorless Liquid
Molecular Weight 150.17
Specific Weight, 20°C. .....9.36 lbs./gal.
Specific Gravity, 20/20°C. 1.1254
Boiling Point, 760 mm. Hg. .....287.4°C.
Freezing Point .....−7.2°C.
Vapor Pressure, 20°C. mm. Hg. .....<0.01
Flash Point, ASTM Open Cup .....330°F.
Viscosity, 20°C. .....47.8 centipoises
Solubility in
Water .....Miscible in all proportions

POLYETHYLENE GLYCOLS

Specifications:

Color, APHA	Value
PEG 200	25 max.
PEG 300	25 max.
PEG 400	25 max.
PEG 600	25 max.
PEG 1000	25 max.*
PEG 1450	25 max.*

*25% aqueous solution

Ash	
PEG 200–PEG 1000	0.01 max.
PEG 1450	0.10 max.

Molecular weight by acetylation	
PEG 200	190– 210, min.-max.
PEG 300	285– 315, min.-max.
PEG 400	380– 420, min.-max.
PEG 600	570– 630, min.-max.
PEG 1000	950–1050, min.-max.
PEG 1450	1300–1600, min.-max.

Viscosity, SUS, 210°F.	
PEG 200	39–43
PEG 300	42–48
PEG 400	45–55
PEG 600	50–66
PEG 1000	85–100
PEG 1450	120–150

pH, 5% solution (Aq.)	4.0–7.0

Acidity (as Acetic Acid)	
PEG 200–600	0.02% max.
PEG 1000–1450	0.025% max.

Basicity (as NaOH)	
PEG 200–600	0.02% max.
PEG 1000–1450	0.025% max.

Water Solubility	Complete

Apparent Specific Gravity 20°/20°C.	
PEG 200	1.125–1.130
PEG 300	1.125–1.130
PEG 400	1.125–1.130
PEG 600 (25/4°C.)	1.120–1.135

Freezing Range, °C.	
PEG 200	Supercools
PEG 300	−15 to −6
PEG 400	4 to 12
PEG 600	20 to 25
PEG 1000	37 to 40
PEG 1450	43 to 46

Shipping Containers:

Polyethylene Glycols are shipped in 55 gallon drums and in tank trucks and tank car lots from Orange, Texas.

ETHYLENE OXIDE

Specifications:

Color .....10, APHA, max.*
Water .....0.05 wt. %, max.
Aldehydes,
as Acetaldehyde .....0.05 wt. %, max.
Total Inorganic Chlorides,
as Cl .....0.01 wt. %, max.
Acidity, as Acetic Acid.....0.005 wt. %, max.
Non-Volatile Matter...0.01 gms./100 ml., max.
Residual Odor .....None

**This specification applies to Ethylene Oxide shipped in drums and tank cars but not to cylinder Ethylene Oxide. SHIPPING AND PACKAGING: Shipped from Orange, Texas plant in 10,000 and 3,500 gallon tank cars. Also available in 175 lb. cylinders and 55 gallon insulated drums.*

Physical Properties:

LIQUID
Formula ..... H_2C-CH_2 (O)
Appearance .....Clear, Colorless Liquid
Molecular Weight 44.05
Specific Weight, 20°C. .....7.25 lbs./gal.
Specific Gravity, 20/20°C. 0.8711
Boiling Point, 760 mm. Hg. 10.7°C. (51.3°F.)
Freezing Point .....−111.3°C. (−168.3°F.)
Vapor Pressure, 20°C., mm. Hg. 1095
Flash Point, ASTM Open Cup.....0°F.
Solubility in Water .....Complete

VAPOR
Explosive Limits in Air.....2-100% by vol.
Autoignition Temp.,
760 mm. .....571°C. (1060°F.)
Ignition Temp. in Air,
760 mm. .....429°C. (804°F.)

MONOETHANOLAMINE

Specifications:

Specific Gravity.....1.017-1.021 at 20/20°C.
Boiling Range, ASTM
Initial Boiling Point .....165°C.
Dry Point .....175°C.
Color .....20 APHA, max.
Suspended Matter .....Substantially Free
Equivalent Weight 61-63
Odor .....Mildly Ammoniacal

SHIPPING AND PACKAGING: The Ethanolamines are shipped in insulated steam coiled tank cars of 8,000 gallon capacity and compartmented 6,000 gallon tank cars from plant at Orange, Texas. Also available in tank trucks in principal industrial areas and in 55 gallon drums from stocks located in major cities.

Physical Properties:

Formula .....$HOCH_2CH_2NH_2$
Molecular Weight 61.08
Boiling Point (760 mm.) °C. 170.5
Freezing Point °C. .....10.5 (50.9°F.)
Specific Gravity, 20/20°C. 1.0179
Viscosity, Abs. (cps.) (20°C.).....24.1
Refractive Index n_D 30°C. 1.4510
Flash Point °F. 200

DIETHANOLAMINE

Specifications:

Specific Gravity .....1.090-1.095 at 30/20°C.
Color APHA .....40 max.
Suspended Matter .....Substantially Free

Equivalent Weight	104-106
Water	0.15 wt. %, max.
MEA Content	1.0 wt. %, max.
DEA Content	98.5 wt. %, min.
TEA Content	1.0 wt. %, max.

SHIPPING AND PACKAGING: Same as for Monoethanolamine.

Physical Properties:

Formula	$(HOCH_2CH_2)_3NH$
Molecular Weight	105.14
Boiling Point (760 mm.) °C.	269 Decomposes
Freezing Point °C.	28.0 (82.4°F.)
Specific Gravity, 30/20°C.	1.0919
Viscosity, Abs. (cps.) (30°C.)	360
Refractive Index n_D 30°C.	1.4745

TRIETHANOLAMINE

Specifications:	Commercial Grade	98% Grade
Specific Gravity at 20/20°C.	1.1220-1.1300	1.1240-1.1290
Color APHA	75 max.	75 max.
Suspended Matter	Substantially Free	Substantially Free
Equivalent Weight	140-145	147-152
Odor	Mildly Ammoniacal	Mildly Ammoniacal
Water	0.5 wt. %, max.	0.5 wt. %, max.
MEA Content	1.5 wt. %, max.	–
DEA Content	15 wt. %, max.	–
TEA Content	85 wt. %, min.	98.0 wt. %, min.
Iron	–	0.003 wt. %, max.

SHIPPING AND PACKAGING: Same as for Monoethanolamine.

Physical Properties:

Formula	$(HOCH_2CH_2)_3N$
Molecular Weight	149.19
Boiling Point (760 mm.) °C.	360 Decomposes
Freezing Point °C.	21.5 (70.7°F.)
Specific Gravity, 20/20°C.	1.1258
Viscosity, Abs. (cps.) (30°C.)	425
Refractive Index n_D 30°C.	1.4822

METHANOL

Specifications:

Apparent Specific Gravity	0.7920-0.7930 at 20/20°C.
Boiling Range, °C.	0.5 max. falling between 64 and 66°C.
Precipitated by Water	Clear
Reducing $KMnO_4$	min. 30 minutes at 15°C.
Darkened by Sulfuric Acid	20 max. (Pt-Co Scale)
Acetone and Aldehyde	0.003% max.
Alkalinity (as NH_3)	0.0003% max.
Water	0.10% max.
Iron	0.05 ppm. max.
Color	5 max. (Pt-Co Scale)
Non-Volatile Residue	0.001% max.
Acidity (as Acetic Acid)	0.003% max.

SHIPPING AND PACKAGING: Shipped in barges, tank cars of 10,000 and 8,000-gallon capacity and tank trucks. All shipments made from South Point, Ohio, plant and from stocks in principal cities, and are shipped under I.C.C. regulations. All containers bear poison warning label and standard red caution label for flammable liquids.

Physical Properties:

Formula	CH_3OH
Molecular Weight	32.04
Appearance	Clear water-white liquid
Odor	Alcohol-like
Boiling Point	64.5°C. (148°F.)
Freezing Point	–97.6°C. (–144°F.)
Vapor Pressure at 68°F.	92 mm. Mercury
Flash Point (open cup)	15.6°C. (60°F.)
(closed cup)	12°C. (54°F.)

UREA

Specifications:	Crystal	Uncoated Pelleted
pH (10% sol. at 20°C.)	7.0–9.8	7.0–9.8
Moisture	0.5% max.	0.5% max.
Ash, ppm.	35 max.	35 max.
Iron, ppm.	2 max.	2 max.
Color, APHA	10 max.	10 max.
Turbidity, APHA	20 max.(1)	20 max.(2)
	(1) at 25°C.	(2) at 40°C.

SHIPPING AND PACKAGING: Offered in minimum truck and carload lots and in bulk shipped from plants at South Point, Ohio and LaPlatte, Nebraska. For customer convenience in storage and handling, palletized shipments are available on request. Less than truck load quantities are available at several warehouse and stock points.

Physical Properties:

Formula	$H_2N\text{-}\overset{\overset{O}{\|}}{C}\text{-}NH_2$
Appearance	White, crystalline solid
Molecular Weight	60.05
Boiling Point	Decomposes
Melting Point	132.6°C. (270. 7°F.)
Specific Gravity, 20/4°C.	1.335

PELLETED AMMONIUM NITRATE

Typical Analysis:

Total N	33.5% or more
Ammonium Nitrate	96% or more
Moisture	0.2 to 0.3%
pH	5.5 to 6.5%
Coating	3%
Gram per cubic centimeter	0.9 or higher

Screen Analysis:

On 10 mesh	50%
On 20 mesh	97%
On 28 mesh	100%

SHIPPING AND PACKAGING: Pelleted Ammonium Nitrate is shipped in carload or truckload lots marked according to I.C.C. regulation with yellow label. It is packaged in 5-ply multiwall paper bags, polyethylene-lined in 50, 80 and 100 lb. capacities. It is also packaged in round burlap bags as follows: 8" x 50 lbs., 7" x 50 lbs., 6" x 33⅓ lbs. and 5" x 25 lbs.

NITRATE OF SODA (SODIUM NITRATE)

Specifications:

	Chemical Grade	Special Grade
Sodium Nitrate (Dry Basis), min.	99.50	99.50
Sodium Nitrite, max.	0.05	0.01
Moisture, max.	0.50	0.50
Alkalinity (as Na_2O), max.	0.01	0.01
Insoluble, max.		0.005
Sodium Carbonate, max.		0.02

Grades

SPECIAL—Meets requirements of Meat Inspection Division, Dept. of Agriculture

3A—Retained on 28 mesh*—24% max.

2B—Retained on 28 mesh*—60% min.

1C—Retained on 28 mesh*—95% min.

*(0.232 inch opening)

SHIPPING AND PACKAGING: ARCADIAN Nitrate of Soda is shipped from Plant at Hopewell, Va. in bulk in box cars or hopper cars in minimum 20-ton lots and by truck. Also shipped in 100-lb. net multi-wall, asphalt lined moisture-proof paper bags.

Shipment is made under yellow label according to I.C.C. regulation on bulk shipment or label affixed to trucks carrying bags except in quantities of less than 500 lbs.

Physical Properties:

Formula	$NaNO_3$
Molecular Weight	85.01
Appearance	White Crystals
Odor	None
Melting Point	308°C. (586°F.)
Specific Gravity	2.267
Bulk Density:	
3A (Fine)	85 lbs. per cu .ft.
2B (Medium)	82 lbs. per cu. ft.
1C (Coarse)	80 lbs. per cu. ft.
Solubility:	
in 100 grams water at 0°C.	73 grams
in 100 grams water at 30°C.	96.2 grams

NITROGEN TETROXIDE

Typical Analysis:

Water, wt. %	0.1 max.
Lower Nitrogen Oxides	Trace

SHIPPING AND PACKAGING: Shipped in 125 and 150 ton lb. steel cylinders; 1 ton containers and 30 and 50 ton tank cars from Hopewell, Va.

Physical Properties:

Formula	N_2O_4
Molecular Weight	92.02
Boiling Point	21°C.
Freezing Point	−11.2°C.
Critical Temperature	158°C.
Critical Pressure	99 atm
Density of Liquid	1.45 at 20°C.
Density of Gas	3.4 gm./liter 21°C., 1 atm
Vapor Pressure (Absolute)	2 atm at 36°C.

PLANT AND OFFICE LOCATIONS

ATLANTA 3, GEORGIA
127 Peachtree St., N. E.

CHICAGO 54, ILLINOIS
430 Merchandise Mart Plaza

CLEVELAND 15, OHIO
3121 Euclid Avenue

COLUMBIA 1, SOUTH CAROLINA
707 Carolina Life Bldg.

DETROIT 32, MICHIGAN
7501 West Jefferson Ave.

HOPEWELL, VIRGINIA
P. O. Drawer 131

INDIANAPOLIS 20, INDIANA
6060 College Avenue

IRONTON, OHIO
P. O. Box 98

MEMPHIS 9, TENNESSEE
1929-B South Third Street

ORANGE, TEXAS
P. O. Box 2041

RALEIGH, NORTH CAROLINA
606 Capital Club Bldg.

SAN FRANCISCO 4, CALIFORNIA
235 Montgomery Street

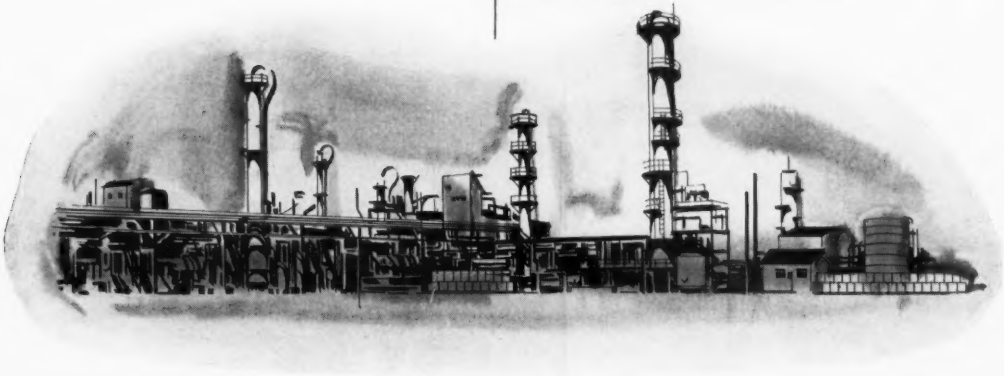
SOUTH OMAHA 7, NEBRASKA
P. O. Box 166

EXECUTIVE OFFICE
40 Rector Street
New York 6, New York

ALLIED CHEMICAL INTERNATIONAL
40 Rector Street
New York 6, New York

Allied Chemical

NITROGEN DIVISION



basic chemicals from coal tar

PRODUCTS OF PLASTICS DIVISION



Plastics Division is one of the world's largest suppliers of coal-tar chemicals. Some of these, like phthalic anhydride, phenol and naphthalene have long been "work horses" of the chemical industry. Others, like anthracene and phthalonitrile, are of more recent introduction. All, however, have this in common: despite wide use, their potentialities for development into new and valuable products are far from being fully realized.

PHTHALIC ANHYDRIDE

Unexcelled properties, high purity, and low cost have opened up large markets for phthalic anhydride in polyester resins, alkyd resins, plasticizers, pharmaceuticals, and fine chemical syntheses as well as in the dye industry. New and commercially valuable applications are being constantly discovered. Domestic production capacity has risen to one-half billion pounds annually.

As the world's largest producer, Allied Chemical, through its Plastics Division, is particularly qualified to serve your phthalic anhydride needs. Allied Chemical pioneered in the production of quality phthalic by the vapor phase oxidation of naphthalene. Manufacturing experience acquired since 1919, combined with continued research on product improvement and development, enable us to supply phthalic of unsurpassed purity. In addition, we can offer invaluable applications assistance and materials handling advice.

Care of handling and fast, dependable delivery by a basic producer is assured from strategically located plants and warehouses. Plastics Division phthalic is available in both liquid and flake forms, whichever best suits your convenience.

PHENOL USP (SYNTHETIC)

The development of phenolic resins, first and still most versatile of the commercial synthetic resins, stimulated the growth of the now giant plastics industry. Because they provide outstanding physical properties, such as toughness, dimensional stability and good resistance to heat, water

and wear, as well as excellent electrical properties, phenolic resins are well-established and widely used. And yet recent developments, such as the revolutionary shell molding process based on phenolic resins, indicates that phenol has potentialities as a raw material that are far from being fully realized.

Phenol is a valuable basic raw material for the manufacture of a large number of intermediates for a host of different chemical products. These include nylon and epoxy resins, medicinals, dyes, photographic developers, plasticizers, wood preservatives, weed-killers, insecticides, anti-oxidants.

Whatever your process or product, you'll find that Plastics Division synthetic phenol is tailor-made for it. Our synthetic phenol is available as a crystalline solid made to specifications even more exacting than those required for the U. S. Pharmacopeia grade, and in liquid form in phenol strengths of 92 and 85 per cent. These liquefied phenols are prepared simply by adding distilled water to U.S.P. grade crystals.

Only Plastics Division can supply you with every grade of phenol—both synthetic and natural. Our phenol is of sufficient purity to be used for the production of nylon-6. Because we are a basic producer, your source is stable. Fast, dependable delivery by tank car or tank truck is assured. Plastics Division invites your inquiries as to the present uses and potentialities of phenol.

"ELASTEX" PLASTICIZERS

Plastics Division can offer you a complete line of quality plasticizers for rubber, plastics, and coatings. Our production is thoroughly integrated. We have complete control of raw materials, and our basic position assures you of a product of the highest purity and uniformity.

Use of one or another of the line of "Elastex" Plasticizers can upgrade any product you manufacture. "Elastex" 90-P Plasticizer (DIDP), for example, offers to the electrical wire and cable industry electrical insulation performance substantially equivalent to that of high-quality DOP, plus superior retention of elongation after severe heat-aging. It is recommended for use in vinyl compounds for high-temperature wire insulation.

"Elastex" 90-P Plasticizer is just one example. If you're puzzling over a plasticizer problem, your Plastics Division representative, backed by an

experienced technical service staff, can often guide you to a solution. Our resources are at your service in the application of our plasticizers. And you can rely on the unsurpassed quality of "Elastex" Plasticizers. Dependable, next-day delivery is assured in modern, stainless-steel tank trucks from any of our 12 strategically located tank stations.

Dibutyl Phthalate*
Dimethyl Phthalate*

"ELASTEX" DCHP Plasticizer – Dicyclohexyl Phthalate
"ELASTEX" 10-P Plasticizer* – (Diisooctyl Phthalate) (DIOP)
"ELASTEX" 28-P Plasticizer* – Di-2-Ethylhexyl Phthalate (DOP)
"ELASTEX" 18-P Plasticizer* – Isooctyl Isodecyl Phthalate
"ELASTEX" 20-A Plasticizer* – Diisodecyl Adipate
"ELASTEX" 40-P Plasticizer* – Butyl Isodecyl Phthalate
"ELASTEX" 48-P Plasticizer* – Butyl Octyl Phthalate

"ELASTEX" 50-B Plasticizer* – Butyl Cyclohexyl Phthalate
"ELASTEX" 60-A Plasticizer* – Di-2-Ethylhexyl Adipate
"ELASTEX" 82-P Plasticizer* – Normal Octyl – Normal Decyl Phthalate
"ELASTEX" 90-P Plasticizer* – Diisodecyl Phthalate
"ELASTEX" 36-R Plasticizer – Medium molecular weight polymeric plasticizer
Plasticizer 136* – An aryl alkyl hydrocarbon

*Available in Tank Cars or Trucks

ACETONE

Plastics Division now offers acetone derived from the Cumene-Phenol process. It is specially purified for use in cellulose acetate and epoxy resins, and this high purity recommends it as an intermediate in chemical and drug manufacture and for use as a solvent. Its freedom from contaminants accounts for its wide use in chemical extractions and syntheses. Fast delivery of Plastics Division acetone by tank car or tank truck is assured from supply depots at Boston, Buffalo, Chicago, Cleveland, Detroit, Indianapolis, Los Angeles, New York and Philadelphia. Drum stocks only at Charlotte, N. C. and St. Louis, Mo.

TAR BASES

Coal-tar bases constitute a group of homologous nitrogen-containing heterocyclic chemicals derived from coal tar. Pyridine, simplest member of the group, has long been known and used as a solvent of unique properties. Now, however, most of the pyridine produced is used for its reactive and chemical properties.

The great variety of established uses for tar bases, and recent developments such as the antihistamines, a number of which are derived from tar bases, indicate that the potentialities of tar bases and their derivatives are only beginning to be realized. In preparing many tar-base fractions and through the isolation of some individual tar bases, many possibilities have been opened up in the field of industrial and medicinal chemistry.

Plastics Division will be glad to send you samples and technical data to help you explore the possibilities of this special class of refined coal-tar chemicals.

Refined Pyridine 2A	**Tar Bases 50A**
Pyridine 10A	**Refined Alpha Picoline 2A**
Pyridine 15A	**Refined Beta Gamma Picoline**
Mixed Picolines 20A	**Refined Quinoline**
Pyridine 30A	**Refined 2,4 Lutidine**
Mixed Lutidines	**Special Refined Grades**

Special Fractions

NIACIN USP

The finest Niacin available, manufactured by oxidation of Quinoline to meet the rigid requirements necessary for manufacturing of pharmaceuticals, animal and poultry feeds and the enrichment of flour. Blends with soy flour available for the blending of vitamin premixes.

Plastics Division's basic position in raw materials, and its equipment of the most modern design, result in Niacin of the highest purity that meets all U.S.P. standards. We also have feed grade Niacin of 50% and 80% purity. Can be ordered from our manufacturing plant in Philadelphia and warehouses in Los Angeles and Chicago.

ANTHRACENE

Now available commercially in 90-95% purity from a domestic source, Plastics Division anthracene offers great versatility (especially in view of its economical price). Besides offering several useful routes to anthraquinone, the more recently studied reactions of anthracene open fresh synthetic possibilities to the chemical industry.

Its Diels-Alder adducts are potentially useful as intermediates for plasticizers, adhesives, tanning agents, synthetic dyestuffs, and synthetic beater sizes for paper. Products from anthracene's Friedel-Crafts reactions with olefins have value as resins and pour-point depressors for lubricating oils. It is photoconductive and also reacts photochemically.

With Plastics Division anthracene as a starting point, you may derive a wide selection of functional groups leading to commercially valuable products.

TECHNICAL PHENOLS, CRESYLIC ACIDS, CRESOLS AND XYLENOLS

Tar acids is the generic name given to a group of closely related substances derived from the middle-oil fraction of distilled coal tar. Most of the tar acids output is consumed in operations which exploit their remarkable reactive and chemical properties.

Plastics Division has made a science of producing refined acids to exacting specifications for many requirements. Its standardization methods insure products of complete reliability. In this valuable group of manufacturing chemicals, you will find acids to the exact degree of refinement you require.

PHENOLS—SYNTHETIC & NATURAL
Technical Phenol (all grades)
Phenol-Cresol Mixes
Phenol-Cresylic Mixes

CRESYLIC ACIDS
Mixtures of close-cut fractions blended to meet particular commercial requirements
Special Engine Cleaning Grades

CRESOLS
Cresol, USP
Ortho Cresol (ranging from 50% to 98+% purity)
Meta Para Cresols
Resins Cresols
Special Cresol Fractions blended to order

XYLENOLS
Meta Xylenol —45°C., 56°C. and 61.2° C. Min. M.P.
Crude and Refined Grades
Special Fractions

ALPHAMETHYLSTYRENE (REFINED)

A high purity, low cost unsaturated aromatic monomer. Produced by Plastics Division's cumenephenol operation in a 99.8% pure grade. Alphamethylstyrene reacts more slowly than styrene and exhibits less tendency to homopolymerize. It will, however, homopolymerize in the presence of an ionic catalyst.

Alphamethylstyrene is used in styrenated alkyd resins; high heat distortion polystyrene; polyesters; the manufacture of cumylphenol; ion exchange resins; and polymeric plasticizers. In addition, it will copolymerize with a wide variety of unsaturated chemicals and is valuable as a copolymer modifier with unsaturated compounds, including butadiene, terpenes, acrylates, methacrylates and most vinyl monomers.

"CUMAR" RESIN

This versatile thermoplastic resin has been constantly improved since its introduction in 1913. Today it is available in nine separate grades manufactured under rigid chemical control from selected coal tar distillates. The wide compatibility of this neutral, stable, synthetic resin of the paracoumarone-indene type permits use with a great variety of solvents, oils, resins, and waxes. "Cumar" resin can provide successful and economical solutions to production problems in the manufacture of varnishes, floor tile, natural and synthetic rubber products, printing ink, adhesives, and waterproofing materials. Also has valuable uses in the leather, electrical, radio and paper industries. Our Technical Service Department is prepared to work with you in making resins for your specific application.

INDUSTRIAL AROMATIC SOLVENTS

Allied Chemical's basic position, plus its pioneer role in standardizing testing methods and specifications for light oil distillates, assures you a stable supply of aromatic solvents of the highest reliability. And when you order from Allied Chemical you not only get the finest in aromatic solvents – you get them quickly. If your plant is located within 50 miles of one of our ten nationwide tank wagon stations, you'll get immediate delivery by our own drivers in stainless-steel tank trucks specially equipped to handle solvents. And, from most of our stations, you can order acetones, glycols, and phthalate plasticizers for combination delivery with our aromatic solvents.

Benzol, Nitration
Benzol, Industrial Pure
Benzol, Industrial 90%
Benzene, Thiophene-free
Toluol, Nitration
Toluol, Industrial Pure
Xylol, Nitration
Xylol, Ten Degree
Xylol, Industrial
Hi-Flash Solvent
1320 Oil
Wire Enamel Solvent

All available in Tank Cars and Tank Trucks

OTHER CHEMICALS AND PRODUCTS

- Adipic Acid
- Fumaric Acid
- Resin S (A neutral synthetic resin of high styrene content)
- Specialized Rubber Compounding Materials
- "A-C" Polyethylene Lubricants
- Cyclohexanol
- Cyclohexanone
- Methanol
- Acetophenone
- Ethylbenzene
- Cumene
- Cumylphenol
- Ethylene Glycol
- Diethylene Glycol
- Monoethanolamine
- Diethanolamine
- Triethanolamine
- Flotation Agents
- Pickling Inhibitors
- Tar Distillates
- Tar Acid Oils
- Maleic Anhydride

low-molecular-weight polymer

PRODUCT OF PLASTICS DIVISION



When production of a new low-molecular-weight polyethylene was first begun at our pilot plant at Buffalo, N.Y., little was known about its potentialities in industry. Since then, this versatile, wax-like polymer has demonstrated over and over again its amazing ability to upgrade an almost endless number of products in scores of industries. Some of these are described below.



Injection moldings—faster cycles, complete flow control, better mold release, improved color dispersion, greater stress crack protection.



Polishes—both paste and liquid—improved wear and water resistance, antislip properties, rebuffability, high gloss. No yellowing on build-up. Stable supply and prices.

Panorama of product improvement made possible by A-C Polyethylene

A-C® Polyethylene is rapidly finding favor as an ingredient in combination with plastics, waxes and film-formers. How it upgrades a variety of products is shown on these pages.

This low-molecular polymer is distinguished by hardness, compatibility with waxes and resins, and resistance to water and chemicals. Electrical properties are excellent. It increases abrasion resistance and acts as an anti-blocking agent. Offering a unique combination of high melt point and low melt viscosity, it disperses easily and stays in solution at low temperatures, facilitating blending. Usually no special equipment is needed to incorporate A-C Polyethylene into established manufacturing procedures.

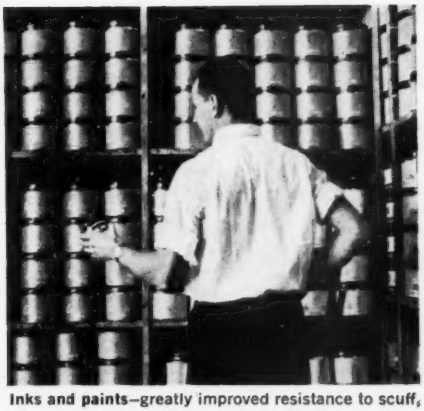
Translucent white, tastless and nontoxic, low-molecular A-C Polyethylene is available in uniform cubes or powder form, in hot-melt or water-emulsifiable grades.

Other types of A-C Polyethylene include A-C Polyethylene Pipe Compound for high-quality, shiny-black pipe engineered for long-lasting performance . . . and A-C Cleaning Compound for removing any thermoplastic material from extrusion or injection machines in a fraction of the time normally required.

For technical information on A-C Polyethylene, or for assistance in its application, contact your nearest Plastics Division Sales Office or write us direct.



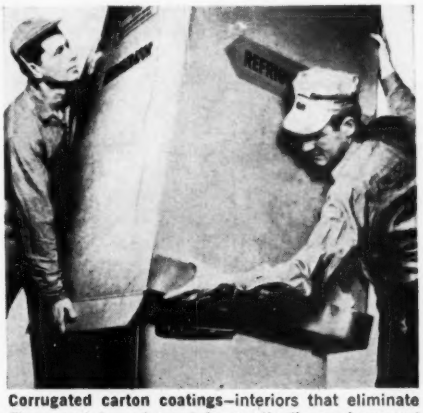
Dairy carton coatings—greater strength with minimized leaking, flaking or bulging; smooth plastic-like feel; greater coverage per pound of wax; reduced down time for cleanups.



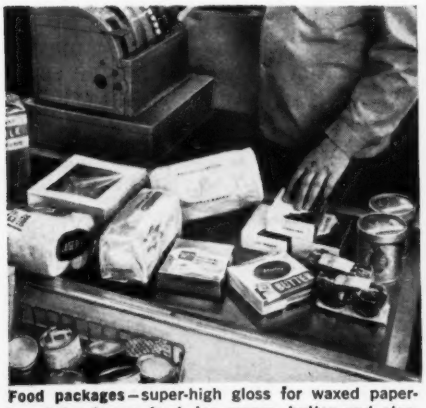
Inks and paints—greatly improved resistance to scuff, slip and smudging. Prevents "offsetting" in stacked-up printed material. Sharper relief when added to overprint varnishes.



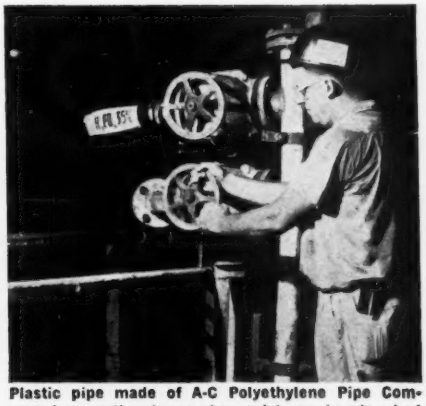
Textile finishes—for all natural or synthetic fibers—permanence plus superb "hand," increased resistance to abrasion, tearing, creasing. Specially suitable for wash-and-wears.



Corrugated carton coatings—interiors that eliminate fiber scratch and need for costly liners; improved resistance to scuff, chemicals, grease and moisture; better gloss; no rub-off.



Food packages—super-high gloss for waxed paperboard for frozen food, ice cream, butter and oleo, bread wrappers. Often makes overwrappings unnecessary.



Plastic pipe made of A-C Polyethylene Pipe Compound—exceptional corrosion resistance for chemical processing plants; lightweight flexibility for economical installation.

Allied Chemical

PLASTICS DIVISION
40 Rector Street, New York 6, N.Y.

fast service, technical assistance on alkalies and chemicals

PRODUCTS OF SOLVAY PROCESS DIVISION



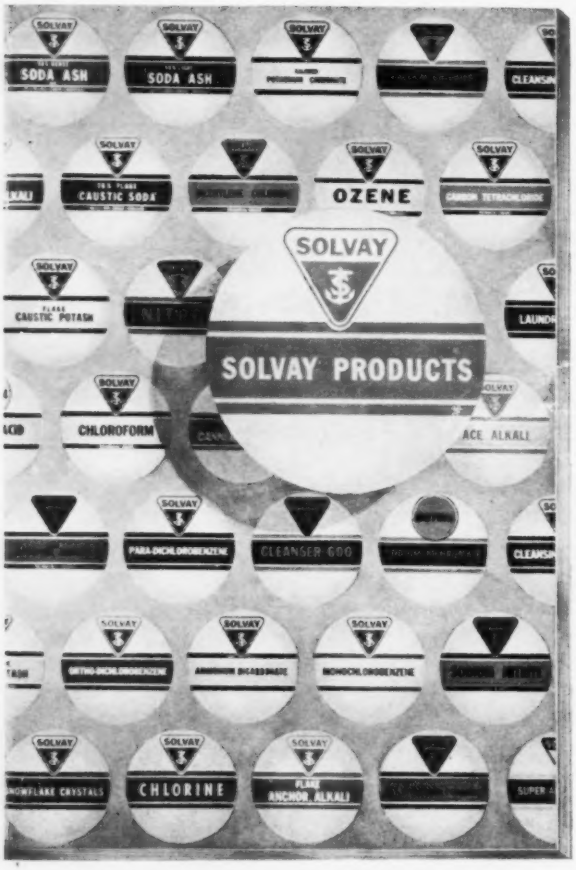
Basic materials *of unsurpassed quality and uniformity.*

Fast service *from 5 strategically located plants, 14 branch offices, hundreds of distributor stock points.*

Technical assistance *in handling, processing, application . . . a vast store of technical and practical knowledge and experience available to users through Solvay's Technical Service.*

Solvay products serve these industries . . .

- Bottling
- Chemicals
- Dairy
- Drugs and Pharmaceuticals
- Glass and Ceramic
- Highway Construction and Maintenance
- Leather
- Metal
- Petroleum
- Plastics and Resins
- Pulp and Paper
- Rubber
- Soap and Detergents
- Textile



Write for this 61-page guidebook "Solvay Products" for the facts you need before you buy.

Refer to individual product listings in the Chemical Section of this Buyers' Guide. You'll find details on forms and packages for many Solvay chemicals. For further information on specific products write for special technical literature.

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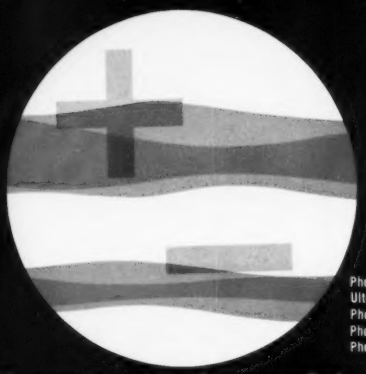
these 4 pages
spell out a major service in

PHOSPHORUS
PHOSPHATES
ACIDS
SILICOFLUORIDES
GELATIN & BONE BLACKS

AA QUALITY CHEMICALS

These are unusually pure and uniform chemicals. Most are products or co-products of AA's leadership in the mining, refining of phosphorus and the production of phosphates.
Our Chemical Division can consistently deliver the dependable "AA QUALITY" to meet your total or partial needs.

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY · AA QUALITY · REG U.S. PAT. OFF.



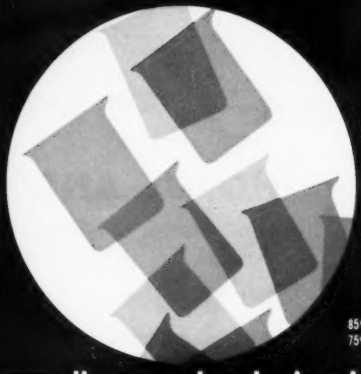
Phosphorus—Yellow-White
Ultrapure Phosphorus
Phosphorus—Red Amorphous
Phosphorus Pentasulphide
Phosphorus Sesquisulphide

Pioneer in phosphorus refining



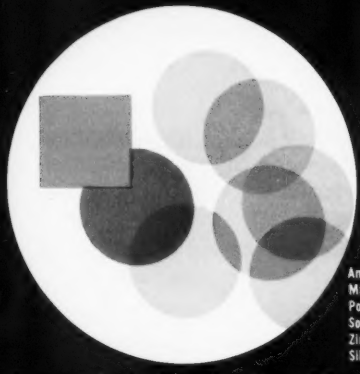
Sodium Tripolyphosphate
Tetrasodium Pyrophosphate
Trisodium Phosphate
Disodium Phosphate

Dynamic in phosphates



85% N.F. Grade
75% Pure Food Grade

Unusually pure phosphoric acid



Ammonium Silicofluoride
Magnesium Silicofluoride
Potassium Silicofluoride
Sodium Silicofluoride
Zinc Silicofluoride
Silicofluoride Mixtures

Unmatched in silicofluorides

PHOSPHATES

SODIUM TRIPOLYPHOSPHATE $Na_5P_3O_{10}$ . . . an evenly calcined high-purity anhydrous grade. This is a free-flowing spray-dried product specially suitable for all types of detergent formulations. It is also used in textile scours and dyes, drilling muds, chlorine and perborate types of solid bleaches, pitch control in pulp making, clay manufacturing, and cement.
Powdered and granular grades—in bags, drums, bulk.

TRISODIUM PHOSPHATE $Na_3PO_4 \cdot 12H_2O$ and Na_3PO_4 . . . an effective, low-cost detergent for household, laundry, and industrial cleansers and for dishwashing compounds. Also, water softening, sugar clarification, paint removal compounds, metal cleaning and metal working.
Anhydrous and crystalline grades—in 6-ply bags and fibre drums.

TETRASODIUM PYROPHOSPHATE $Na_4P_2O_7$ . . . an anhydrous builder for soaps and an ingredient in detergents and washing compounds. Also used in drilling muds, water conditioners, metal cleaners, textile dyeing and processing, paper pulp manufacture, de-inking of newsprint, kier boiling of cotton and wool scouring.
Powdered and granular grades—in bags, drums, bulk.

DISODIUM PHOSPHATE $Na_2HPO_4 \cdot 12H_2O$ and Na_2HPO_4 . . . used in the manufacture of detergents, boiler compounds and enamels. Also in chinaware, dyestuffs and dyeing, soldering and tinning, tanning, silk weighting, calico printing, and as a fireproofing agent.
Technical crystalline and technical anhydrous—in 6-ply bags and fibre drums.

PHOSPHORUS AND COMPOUNDS OF PHOSPHORUS

PHOSPHORUS P . . . this yellow-white elemental phosphorus is the raw material for phosphoric acid, phosphate salts and other phosphorus compounds. Also used in rodent poisons, copper-bronze alloys, smoke screens, flares and pyrotechnics.
Shipped as solid or segments in steel drums (yellow label)—tank cars.

RED PHOSPHORUS P . . . this amorphous form of phosphorus is used in the manufacture of matches, pyrotechnics, flares, and in the preparation of phosphorus compounds.
Powdered technical grade—in 100 lb. drums and 11 lb. tins.

PHOSPHORUS PENTASULPHIDE P_2S_5 . . . used as an additive for lubricating oils and as an intermediate in organic chemical synthesis.
Powder and lump in technical grades—in steel or fibre drums, and in bulk.

PHOSPHORUS SESQUISULPHIDE P_4S_3 . . . used in the manufacture of matches and pyrotechnics, and in the synthesis of organic phosphorus compounds.
Powder and lump in technical grades—in non-returnable steel drums (yellow label).

also, FERROPHOSPHORUS (24% to 26% Phosphorus) **and EXPANDED SLAG**

FLUORIDES AND SILICOFLUORIDES

SODIUM FLUORIDE NaF . . . used as a flux in rimmed steel ingots, in electroplating, heat-treating salts, glass manufacture, and in the fluoridation of water.
Powder and granular technical grades—in bags and fibre drums.

AMMONIUM SILICOFLUORIDE $(NH_4)_2SiF_6$ . . . a laundry sour and ingredient in moth proofing compounds. Used in magnesium metal casting, glass etching, electroplating copper and water fluoridation.
Technical grade—in fibre drums.

MAGNESIUM SILICOFLUORIDE $MgSiF_6 \cdot 6H_2O$ . . . used for the surface hardening of concrete, stucco and brick work—and in moth proofing compounds.
Technical grade—in fibre drums.

POTASSIUM SILICOFLUORIDE K_2SiF_6 . . . a flux for removal of magnesium from aluminum, and a sand inhibitor in magnesium casting. Used also in porcelain enamel frit and synthetic mica.
Technical grade—in bags and fibre drums.

SODIUM SILICOFLUORIDE Na_2SiF_6 . . . for ceramic glazes, opal glass and artificial marble. Used as a laundry sour, preservative in glue and leather, in aluminum metal refining, fluoridation of water, and in foam rubber.
Technical grade—in bags and fibre drums.

ZINC SILICOFLUORIDE $ZnSiF_6 \cdot 6H_2O$ . . . an antiseptic laundry sour and an ingredient in moth proofing compounds.
Technical grade—in fibre drums.

also, SILICOFLUORIDE MIXTURES (75% Mg—25% Zn) **for concrete hardening and MAGNESIUM-BORON FLUORIDE . . . a metal flux.**

PHOSPHORIC ACID

PHOSPHORIC ACID H_3PO_4 . . . used in the manufacture of inorganic phosphates, pharmaceuticals, rustproofing compounds, waxes and polishes, and ceramic binders. An acidulator for essences, jellies, mineral waters and soft drinks. A sugar defecant and clarifier, silage preservative—and used in electropolishing, cotton-dye lakes, yeasts, and activated carbon production.

85% N. F. Grade (sp. gr. 1.71) and 75% pure food grade (sp. gr. 1.58)—in carboys, drums and tank cars.

SULPHURIC ACID

SULPHURIC ACID H_2SO_4 . . . used in the manufacture of many chemicals and chemical products. Also in pickling of iron and steel, electroplating and battery electrolyte.
60° and 66° Baume, 99%—all in tank trucks and tank cars.

KEYSTONE® GELATINS

EDIBLE . . . for meats, candy, baking, ice cream, gelatin desserts, jellied foods, and other food products.
Granulated and flakes—various jelly strengths or to specification.

PHOTOGRAPHIC . . . for photographic films, plates and papers, photo lithography and photo-gelatin engraving. Collotype printing and silk screen stencils.
Emulsion types for film and paper—and lithogel for photo-gelatin printing.

PHARMACEUTICAL . . . for hard capsules, soft capsules, suppositories, pill coating, emulsions and culture media.
Pharmagels "A" and "B"—capsule grades and specialty items.

TECHNICAL . . . for print rollers, sizings, emulsions, decalcomanias, and for protective colloids.
Granulated technical grade.

All Keystone Gelatins shipped in fibre drums.

AMMONIUM CARBONATE

KEYSTONE AMMONIUM CARBONATE U. S. P.
$NH_4HCO_3 \cdot NH_2COO \cdot NH_4$ . . . a sublimed product particularly suitable for bakeries, pharmaceuticals, smelling salts, malt preparations, special glass, and chemical processes.
Chip, lump and powdered grades—in steel drums, fibre drums, kegs and cans.

BONE PRODUCTS

ANIMAL BONE CHARCOAL . . . a solid amorphous black produced by charring clean cattle bones. Used in clarifying cane sugar, glucose and oils, water purification, deodorizing, and air filtration.
Standard grades, from fine powder to ½" lump—in bags and barrels.

COSMIC® BONE BLACK PIGMENT . . . air-floated and extra-fine for pigment applications in paints, varnishes, lacquers, inks, plastics and polishes.
25 standard grades—in cartons and barrels.

FERTILIZER AND FERTILIZER MATERIALS

AGRICO®—the Nation's Leading Fertilizer

AA® QUALITY Fertilizers

18% NORMAL© Superphosphate

AGRI-PHOS® 20% Superphosphate

AA QUALITY Ground Phosphate Rock

SUPERPHOSPHATE

PHOSPHATE ROCK—Florida Land Pebble

AGRINITE®—the Organic Plant Food

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THE AMERICAN AGRICULTURAL CHEMICAL CO.

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'62



CYANAMID

American Cyanamid Company

30 ROCKEFELLER PLAZA, NEW YORK 20, NEW YORK

INDUSTRIAL CHEMICALS DIVISION

PROCESS CHEMICALS DEPT.

Acid Anhydrides & Esters

AERO* Maleic Anhydridé

Description:
White briquettes. Soluble in water, benzene, acetone, chloroform and ethyl ether; also available in molten form.

Application:
Manufacture of alkyd resins, polyester resins, esters, modified drying oils, rosin sizes, surface active agents, plasticizers, rubber chemicals, agricultural chemicals, textile sizes, pharmaceuticals and vinyl stabilizers.

AERO* Phthalic Anhydride

Description:
Available as white, free-flowing flakes or as a practically colorless liquid.

Application:
Manufacture of alkyd resins, plasticizers, synthetic resins, dyestuffs, pharmaceuticals and a variety of fine chemicals.

AERO* Dialkyl Maleates

Description:
Dibutyl, diethyl and
di (2-ethylhexyl) maleates.
Clear, oily liquids.

Application:
Copolymerization with vinyl monomers for production of emulsion points, textile finishes, paper coatings.

Chemical intermediates in manufacture of lube oil additives, insecticides and detergents.

Basic Chemicals

Ammonium Sulfate

Description:
Synthetic white crystal.

Application:
Used in galvanizing, soldering, candle manufacture, fireproofing compositions and tanning of leather.

Ferrous Sulfate (Copperas)

Description:
Granular, free-flowing powder.

Application:
Used in treatment of potable water and sewage; manufacture of iron oxides.

Aluminum Sulfate (Alum)

Commercial Grade

Description:
Liquid and Dry.

Application:
Used in the manufacture of paper and as a coagulant in the purification of water and sewage. Also used in the manufacture of aluminum salts and printing inks, in the clarifying of fats and oils, as a mordant in dyeing, and in the tanning of leather.

Iron Free Grade

Description:
Liquid and Dry.

Application:
Used principally in the manufacture of fine writing paper, blueprint paper, dry lake colors, printing inks and aluminum salts. Also used in tanning white leather.

*Trademark

Mineral Acids

Mixed Acid (Nitrating Acid)

Description:
Formula produced to customer's specification.

Application:
Principally a nitrating agent in the manufacture of explosives, celluloid, dyes, intermediates and other organic chemicals.

Muriatic Acid (Hydrochloric Acid)

Description:
18-20° Bé.

Application:
Used principally in textile dyeing, paper, sugar refining, electroplating and tanning industries. Also used in the refining of oils and fats and in the manufacture of organic and inorganic chemicals.

Nitric Acid

Description:
36-42° Bé.

Application:
Used extensively in the manufacture of chemicals, drugs, dyes, in pickling stainless steel, in metallurgy etching, in photo-engraving and in the manufacture of precious metals.

Oleum (Fuming Sulfuric Acid)

Description:
Up to 40%.

Application:
Used in the manufacture of explosives, dyestuffs and celluloid, in the refining of oil, and as a sulfonating agent in the manufacture of intermediates and organic chemicals.

Sulfuric Acid

Description:
77.7% to 100%.

Application:
Used by the fertilizer, petroleum, steel, pigment and chemical industries. Also used in the manufacture of rayon, parchment paper and textiles, in the refining of oils and fats, and in metallurgy.

Sulfuric Acid (Battery Grade) (Electrolyte)

Description:
Sp. Gr. 1.150-1.835.

Application:
Used primarily in storage batteries.

Nitrogen Chemicals

AERO® Calcium Cyanamide

Description:
Anhydrous Grade: Average CaNCN content, 67%. Minimum Hydrated Grade: Partially hydrated with 4% water and unoiled; average CaNCN content, 64%. Hydrated Grade: Fully hydrated with 6% water and sprayed with 2.5% oil; average CaNCN content, 60%.

Application:
Chemical intermediate for preparation of a variety of nitrogen chemicals, including guanidine salts, pseudoureas, guanamines, other metallic cyanamides and cyanamide derivatives.

AERO® Cyanuric Chloride

Description:
White crystalline powder with a pungent odor. Undergoes hydrolysis to cyanuric acid. Soluble in ether, heptane, acetic acid, benzene, carbon tetrachloride, chloroform, methanol, various ketones.

Application:
Manufacture of dyestuffs, pharmaceuticals, plastics and resins, explosives, surface active agents, rubber chemicals, mothproofing compounds, and tanning agents.

AERO® Dicyandiamide

Description:
White, crystalline, highly reactive material with total nitrogen (as % by weight dicyandiamide) 99.0% min. Soluble in water and alcohol. Pulverized grade also available for use as a curing agent for epoxy resins.

Application:
Manufacture of thermosetting resins, antioxidants, dyestuffs, intumescent coatings, curing agents for epoxy resins and as a chemical intermediate wherever nitrogen derivatives are required. Controls viscosity and stability of converted starch, casein and protein adhesives.

AERO® Glycolonitrile

Description:
Water white liquid, soluble in water, ethanol, and ether.

Application:
Manufacture of ethylenediamine, tetraacetic acid, glycine, components for dentifrices, pharmaceutical intermediates, and supplements in feeds; and as organic cyanide brightener.

AERO® Guanidine Hydrochloride

Description:
White granules, deliquescent and hygroscopic. Soluble in water, ethanol.

Application:
Manufacture of pharmaceuticals, dyefixing agents, antioxidants, explosives, insecticides, detergents and surface active agents. A soluble source of free guanidine where required.

AERO® HCN (Liquid Hydrocyanic Acid)

Description:
White to bluish-white liquid, boiling at 27°C. Available in cylinders and bulk.

Application:
Preparation of many nitrogen-containing chemicals—variety of metallic cyanides, organic nitriles, acids, amines, amino acids.

AERO® Melamine

Description:
Fine white crystalline powder of 99% minimum melamine content.

Application:
Highly reactive trimer of cyanamide. Extensively used for making thermosetting resins for molding, coatings, paper, ion exchange, bactericides, fungicides.

AERO® Urea, Crystal

Description:
White crystalline material soluble in water, methanol and liquid ammonia. Hydrolyzes slowly in neutral solution and more rapidly in presence of acid, alkali and enzyme urease.

Application:
Manufacture of resins for bonding, molding, coating and treatment of paper and textiles. Also, fluidifier for starches and glues, dewaxing agent in extractive crystallization of lubricating oils and intermediate for preparation of other nitrogen chemicals.

Prussiates

AERO® Sodium Ferrocyanide (Yellow Prussiate of Soda)

AERO® Potassium Ferrocyanide (Yellow Prussiate of Potash)

Description:
Fine, granular, lemon yellow crystals. Soluble in water, insoluble in alcohol and most organic solvents.

Application:
Production of dry colors and iron blue pigments. Chemical intermediates.

Chemical Specialties For The Process Industries

ACCOBOND® Resins — a series of melamine-formaldehyde and urea-formaldehyde resins for anchoring coatings and printing to cellulosic films.

AERO® 2MT (Special) — 2-Mercaptothiazoline, a white, free-flowing powder. Prepared for use by the soap and detergent industry as an anti-tarnish agent for nonferrous alloys.

AERO® Metallic Stearates — Aluminum stearate is used chiefly as hydrocarbon gelling agent. Calcium and zinc stearates are excellent water-proofing agents; dry lubricants for plastics, metals, rubber, ceramics, cosmetics, and cordage. Magnesium stearate is primarily used in cosmetics and pharmaceuticals.

AEROSOL® Surface Active Agents — a series of the most powerful wetting and surface active agents available. Several types and grades designed for specific uses.

BAUXITE, Crude Green — Georgia bauxite containing 52-56% Al_2O_3, approx. 16% SiO_2, 1.5-2.0% Fe_2O_3, 2.5% TiO_2, 25.5% hydrate H_2O and approx. 17% free H_2O. For use in manufacture of refractories.

CYQUEST* Sequestering Agents — for use in any manufacturing process or formulated product in which metal ion contamination has a detrimental effect.

CYQUEST Sequestering Agents control or prevent processing problems caused by the presence of undesirable di- or trivalent metal ions by forming soluble unreactive metal chelates. General purpose and specialty iron sequestering agents available.

HYFORM® Emulsions—used by ceramic manufacturers as lubricants for die and mold release, as agents for improving the green strength of pressed pieces and as plasticizers of the ceramic materials during forming.

KAOLIN CLAY, Crude Green — Georgia kaolin containing approximately 37-39% Al_2O_3, 40-42% SiO_2 and over 1% Fe_2O_3. For use in cement.

LIME — 94-95% active CaO, low in iron, for water treatment and metallurgical use.

LIMESTONE — Typically 98% available $CaCO_3$, low in iron, for use in the production of glass, metals, brick, cement, rubber, putty and asphaltic materials.

For The Metal Industry

AERO* Ammonium Nitrate, nitrous oxide grade—a high purity product especially suitable for the production of nitrous oxide gas.

AERO* Calcium Carbide — used as a source of acetylene for chemical manufacturing.

AERO* DOTT (Di-ortho-Tolylthiourea) —for addition to acid solutions as a metal pickling inhibitor.

AERO* Nitriding Salt. For metal heat treating.

AEROBRITE® Pickling Bath Additive. Added to acid pickling bath to decrease consumption of acid, to improve etch pattern, to function as an inhibitor.

AEROCARB® Carburizing Compounds. For metal heat treating.

AEROCASE® Case Hardening Compounds. For metal heat treating.

AEROHEAT® Neutral Heat Treating Salts. For metal heat treating and heat transfer medium.

AEROMET® Metallurgical Additive — used to increase the nitrogen content of molten steel and reduce the sulfur content of ferrous metals.

PAPER CHEMICALS DEPT.

Synthetic Resins

ACCOSTRENGTH® Paper Resin — a synthetic water-soluble polymer designed to improve the dry-strength properties of paper. In addition, this resin improves retention of fillers, sizing of rosin size, wet web strength, gives faster drainage on the wire, and lowers steam consumption in the drier section.

CYPEL® Paper Resin—an anionic resin emulsion used to impart high grease resistance, good gloss, and heat-sealing properties to paper and paperboard.

MELOSTRENGTH® Resins (PAREZ® Resin 607, PARAMEL* Resins) are melamine-formaldehyde resins. Used for giving paper the highest possible wet strength, increasing its wet-rub resistance, foldability, and dry strength.

PAREZ® Urea-formaldehyde and Melamine-formaldehyde resins, anionic and cationic—for use where lesser wet- and dry-strength properties in paper are satisfactory. PAREZ Resins can also be used for waterproofing starch, casein, and other pigment coatings.

Wax Emulsions

ALWAX* and **WAXINE®** Sizes — a complete series of all-wax or wax-rosin emulsions formulated as acid-stable, alkaline-stable or acid and alkaline-stable emulsions.

Sizing Agents

ACCOBRITE® Rosin Sizes — special pale wood sizes in both liquid and dry form—exceptionally light color, high uniformity, non-foaming and high sizing properties.

AEROSIZE® Sizes — special high free-rosin emulsions.

CYFOR® Sizes—liquid and dry fortified rosin sizes, nonfoaming, for highest sizing efficiency and more uniform sizing.

CYRON® Size — for outstanding results in both alkaline and acid stocks, giving both alkaline and acid resistance.

DARK SIZES — Complete series, liquid or dry, fortified or unfortified.

ALUMINUM SULFATE — commercial alum available in liquid and ground form, and iron-free alum in ground form.

Specialties

ACCOCEL® Dispersant — for pitch control and dispersion of inks, pigments, and asphalt.

ACCURAC* 24 Retention Aid — a high molecular weight polyacrylamide resin, significantly improves retention of fillers and pigments.

AZITE® Liquefier — for fluidification and viscosity control of various coating adhesives and improved heat stability and permanence of paper.

CYNOL® Softening Agents, Rewetting Agents and Defoamers.

SODIUM PHOSPHO ALUMINATE — for improved sizing, retention of fines, control of acidity.

PETROCHEMICALS DEPT.

ACRYLONITRILE $CH_2 = CHCN$

Widely used vinyl monomer and versatile chemical intermediate. American Cyanamid has pioneered the commercial production of Acrylonitrile in this country since 1940. Eastern & Gulf Coast distributing points assure fastest delivery. American Cyanamid invites correspondence concerning the application of Acrylonitrile in all fields, and has available a wealth of technical knowledge in the chemistry and applications of this reactive compound.

ACRYLAMIDE $CH_2 = CHCONH_2$

What are your demands for Acrylamide? Truckload shipments for commercial production or small quantities for laboratory exploration, American Cyanamid is able to serve you. Write us for information concerning this reactive vinyl monomer and bifunctional chemical intermediate.

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160 Bloor Street E.

ORGANIC CHEMICALS DIVISION

REFINERY CHEMICALS DEPT.

Specialty Catalysts

AERO® CATALYST NR-1 — Gas Reforming Catalyst — a promoted nickel, highly active catalyst for use in reforming methane, ethane or natural gas.

AERO® CATALYST NR-2 — Gas Reforming Catalyst — a hard, carbon resistant promoted nickel catalyst for use under severe operating conditions such as in the production of synthetic gas for methanol manufacture.

AERO® CATALYST HI-3 — Water-Gas Shift Catalyst — for the catalytic conversion of carbon monoxide with steam to carbon dioxide and hydrogen.

AERO® CATALYST HI-3A — Water-Gas Shift Catalyst — a more active catalyst than HI-3 for the conversion of carbon monoxide with steam to carbon dioxide and hydrogen. For use primarily when high pressure drop is not as important a factor.

AERO® CATALYST FM-2 — Ammonia Synthesis Catalyst — an improved, promoted and stabilized magnetite composition for the catalytic synthesis of ammonia from a mixture of nitrogen and hydrogen.

AERO® PHTHALIC FLUID CATALYST — A vanadium pentoxide on a silicon dioxide base used to promote the oxidation of naphthalene to phthalic anhydride.

Refining Catalysts

AEROCAT® Fluid Cracking Catalysts — microspheroidal catalysts combining high pore volume and complete balance to give optimum catalyst utilization.

AEROCAT TRIPLE A® High Alumina Catalyst — a premium catalyst of high alumina content (25%) for unusually high activity. High pore volume and balanced physical properties contribute to efficiency performance.

AEROCAT® 2000 Fluid Cracking Catalyst provides activity stability with greater economy than other low-cost catalysts.
Extensive testing on principal types of gas oils shows new AEROCAT 2000 to have outstanding catalytic properties.

AEROCAT® 3C — A three component (silica, alumina and magnesia) fluid cracking catalyst for various product distribution modifications.

AEROFORM® PHF Platinum Reforming Catalysts — platinum catalysts for use in reforming operations.

AERO® HDS-2 (Hydrodesulfurizing) Catalyst — a new extruded cobalt-molybdenum catalyst used in hydrogenation operations.

AERO® HDS-3 (Hydrogen Treating) Catalyst — A new extruded high activity nickel molybdenum catalyst used in hydrogenation operations.

Oil Production Chemicals

CEMAD® 1 Cement Additive — A water loss control agent in cement for oil well drilling.

CYPAN® Drilling Mud Conditioner — an organic reagent based on acrylonitrile designed to reduce water loss and promote mud stability.

Antioxidants

AERONOX® Antioxidants — a series of oxidation inhibitors for use in industrial oils, greases, and gasoline.

Lubricating Oil Additives

AEROLUBE® 93-C and **AEROLUBE® 99** Zinc dithiophosphate inhibitors.

INTERMEDIATES DEPT.

Plastic Additives

CATANAC® Antistatic Agents — Combat the accumulation of static electricity on plastics and surface coatings. Convenient . . . *effective*. Useful with thermoplastic and thermosetting resins.

CYASORB® Light Absorbers — Minimize discoloration and degradation of plastics and surface coatings by reducing the effect of ultraviolet light. Provide long-lasting protection — can be used with thermoplastic and thermosetting resins.

ANTIOXIDANTS — Increase effective life of plastics by retarding oxidation during processing and in normal use environment.

ORGANIC INTERMEDIATES — Cyanamid offers the following quality chemicals for the process industries.

2-Aminobenzenethiol • Aniline Oil • Aniline Salt • Anthraquinone • Beta Carboxy Anthraquinone • Beta Chlor Anthraquinone • Beta Methyl Anthraquinone • Beta Naphthalene Sodium Sulfonate • Beta Naphthol • Chlor Benzoyl Benzoic Acid • Diethylaniline • Dimethylaniline • Diphenylamine • G-Salt • Meta Nitraniline • Meta Nitro Para Toluidine • Meta Toluylene Diamine • Monoethylaniline • Monomethylaniline • Naphthoquinone • Nitrobenzene (Oil of Myrbane) • 2-Nitrodiphenylamine • Ortho Toluidine Sulfonic Acid • Para Nitraniline • Para Phenylene Diamine • R-Salt • Schaeffer's Salt • Sodium Mercaptobenzothiazole Solution • Sulfanilic Acid • Tobias Acid

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CYANAMID

AMERICAN CYANAMID COMPANY
Organic Chemicals Division
Bound Brook, New Jersey

Or your nearest Cyanamid Branch Office

AIRCO Colton Polymers for industry

Flexbond®—*Copolymer polyvinyl acetate emulsions*

grade	description
800	Very flexible, high molecular weight
802	Adhesive base for films; excellent machining properties
803	Permanent flexible adhesive base; PVA stabilizer
811	Flexible, high molecular weight
855	Fine particle size; high flexibility; wide spectrum adhesive base
306	Vinyl acetate/acrylic; excellent binder, flexibility

Vinac®—*Polyvinyl acetate homopolymer emulsions*

grade	description
XX-210	Highly adhesive, wide compounding stability, quick setting
XX-220	Similar to XX-210, with higher viscosity
HF-300	High original viscosity, thickens rapidly on compounding
WR-50	Clear, water-resistant films; borax stable
CE 1-P	Special concrete adhesive and admix
RS-100	Alkaline soluble emulsion; dry film can be resolubilized
AA-63	Eliminates solution separation of fully hydrolyzed PVA adhesives

Flexac—*Polyvinyl aceate homopolymer emulsions*

grade	description
FA-5	High molecular weight, clear; film former at low temperatures
1256	Binder for boxboard printbase coatings

Vinac—*Polyvinyl acetate beads (resin in solid form)*

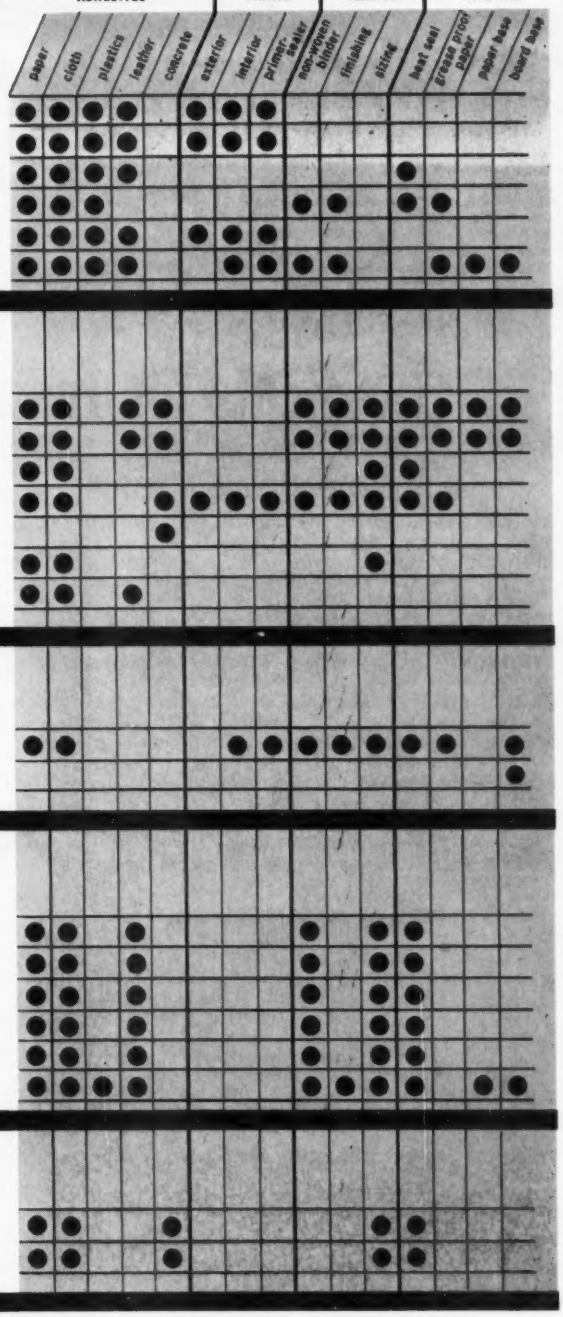
grade	description
B-7	Small, glass-like spherical beads; non-blocking on storage. All pass 8-mesh screen, dissolve readily in wide range of solvents. Films are clear, glossy, non-toxic, water resistant
B-15	
B-25	
B-100	
B-800	
ASB-10	

Vinac—*Spray dried powder*

grade	description
RP-250	White, redispersible powder. Good adhesive properties
RP-251	Formulates into a premium product with high binding properties, free from caking

Applications

ADHESIVES: paper, cloth, plastics, leather, concrete
PAINTS: exterior, interior, primer-sealer
TEXTILES: non-woven binder, finishing, sizing
COATINGS: heat seal, grease proof paper, paper base, board base



Airco Vinol polyvinyl alcohols offer a wide range of properties. Each grade is tailored for specific applications in such varied fields as adhesives, textiles, paper, plastics, ceramics, and cosmetics. Two super hydrolyzed grades—VINOL 125 and VINOL 165—are exclusive with Airco. Super hydrolysis contributes to the increased water resistance, strength, and abrasion resistance of VINOL films. All grades dissolve easily in water, form colorless solutions, and have high adhesive strength and binding power. Some grades produce films with exceptional water resistance, while other grades produce water-soluble films.

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Chemicals for Industry and Agriculture

Boron Chemicals

BORAX Sodium Tetraborate, technical 99.5% $Na_2B_4O_7 \cdot 10H_2O$. Grades: coarse and fine granular, powdered.

V-BOR® Refined pentahydrate borax, technical 99.8% $Na_2B_4O_7 \cdot 5H_2O$, 47.7% B_2O_3; a concentrated and refined grade of sodium tetraborate.

TRONABOR® Crude pentahydrate borax $Na_2B_4O_7 \cdot 5H_2O$; agricultural 46% B_2O_3 Minimum.

PYROBOR® Dehydrated borax, technical 99% $Na_2B_4O_7$, 68.5% B_2O_3. Grades: standard and fine granular.

BORIC ACID Orthoboric or boracic acid, technical 99.8% H_3BO_3. Grades: granular, powdered, technical & U.S.P.

SODIUM PENTABORATE Technical 98.3% $Na_2B_{10}O_{16} \cdot 10H_2O$, 58% B_2O_3 minimum; granular.

BORO-SPRAY® High solubility agricultural borate. Contains sodium pentaborate.

BORIC ACID ANHYDROUS Boric Oxide, high purity; minimum 98.5% B_2O_3. Grades: flake, 10-20 mesh, 20 mesh, 60 mesh.

BORON Elemental Amorphous, high purity. Grades: standard 90-92%, special grades.

Bromine Chemicals

BROMINE Technical 99.5% Br_2 minimum.

ETHYLENE DIBROMIDE $(CH_2Br)_2$ technical.

METHYL BROMIDE CH_3Br; High purity gas compressed to water white liquid. Practically C.P. quality.

Electrochemicals

SODIUM CHLORATE Technical 99.5% $NaClO_3$.

POTASSIUM CHLORATE 99.5% $KClO_3$. Grades: technical and ordnance.

POTASSIUM PERCHLORATE 99.5% $KClO_4$. Grades: technical and ordnance.

AMMONIUM PERCHLORATE 99.5% NH_4ClO_4. Grades: ordnance and customer's specifications.

MANGANESE DIOXIDE Electrolytic battery-active grade.

ELECTROLYTIC MANGANESE METAL Various grades.

Lithium Chemicals

LITHIUM CARBONATE Technical 98.5% Li_2CO_3 (40% Li_2O).

LITHIUM HYDROXIDE MONOHYDRATE

BIKALITH® Lithium Ores. Lepidolite $LiKAl_2F_2Si_3O_9$. Amblygonite $Li(AlF)PO_4$.

LITHIUM CHLORIDE AND BROMIDE

Potassium Chemicals

MURIATE OF POTASH Potassium chloride, agricultural and industrial grades 95-98% KCl (60.5% K_2O minimum), regular and granular; Chemical grade (99.9% KCl minimum); U.S.P.

SULPHATE OF POTASH 96-98% K_2SO_4 (52.7% K_2O minimum). Grades: industrial and agricultural.

Sodium Chemicals

SODA ASH Sodium carbonate, technical 58% Na_2O. Grades: granular and fine granular.

SALT CAKE Sodium sulphate anhydrous, 99% Na_2SO_4 minimum. Grades: Papermaker's, industrial and syndet (99% NA_2SO_4).

Refrigerants

METHYL CHLORIDE Supplied in 2-lb. disposable Charg-A-Can® containers; also in 6, 24, 70, 100 and 145 lb. cylinders.

SULFUR DIOXIDE Supplied in 1 lb. disposable Charg-A-Can® containers; also in 10, 35, 100 and 150 lb. cylinders.

REFRIGERANT-11 Supplied in 100 and 200 lb. drums.

REFRIGERANT-12 Supplied in 95/100 lb. disposable Charg-A-Can® containers; also in 10, 25 and 145 lb. cylinders.

REFRIGERANT-22 Supplied in 1 and 2 lb. disposable Charg-A-Can® containers; also in 9, 22 and 125 lb. cylinders.

REFRIGERANT-114 Supplied in 1 lb. disposable Charge-A-Can® containers; also in 10, 25 and 150 lb. cylinders.

Specialties and Semi-Commercial Chemicals

SULFUR DIOXIDE Commercial grade, purity over 99.9%.

LITHIUM—Metal and other chemicals.

RUBIDIUM & CESIUM CHEMICALS Metals, chlorides, sulfates, carbonates and fluorides.

POLLUCITE CESIUM ORE

INORGANIC BORON COMPOUNDS

ORGANO-BORON COMPOUNDS

Thorium—Yttrium—Rare Earth Chemicals

RARE EARTH SALTS Low cost tonnage items available for prompt deliveries. Supplied as oxides, fluorides, chlorides and other compounds.

YTTRIUM OXIDES AND SALTS

THORIUM SALTS

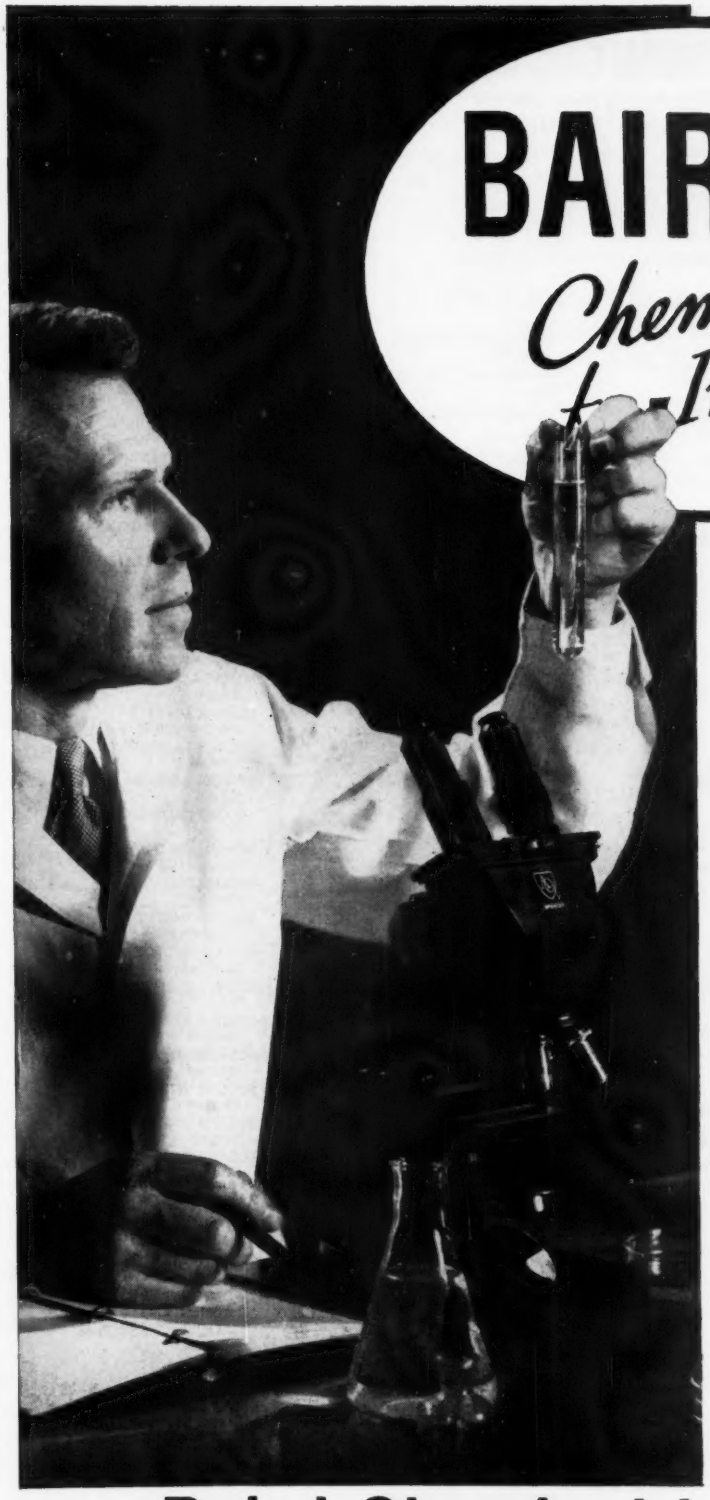
DIDYMIUM (all the Rare Earths except Cerium)

CERIUM POLISHING MATERIALS CEROX®, SUPER-CE*, LINDSITE®, BARNESITE® specialized Cerium glass polishing materials.

CERIUM SALTS

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ACETIC ACID
Reagent
ACETONE
Reagent
ACETOPHENETIDIN
U.S.P.
ACETYLSALICYLIC ACID
U.S.P.
ALUMINUM HYDROXIDE
U.S.P. Dried Gels and Concentrated Wet Gels
ALUMINUM NITRATE
Reagent and Technical
ALUMINUM SULFATE
U.S.P.
AMMONIUM ACETATE
Reagent and Purified
AMMONIUM BISULFITE
Reagent
AMMONIUM BROMIDE
N.F.
AMMONIUM CHLORIDE
Reagent and U.S.P.
AMMONIUM HYDROXIDE
Reagent and U.S.P.
AMMONIUM MOLYBDATE
C.P. and Reagent
AMMONIUM NITRATE
Reagent and Purified
AMMONIUM PHOSPHATE
Reagent and Purified
AMMONIUM SULFATE
Reagent and Purified
AMMONIUM SULFIDE
Reagent and Technical
AMMONIUM THIOCYANATE
Technical, Crystal and Solution
ARSENIC PENTOXIDE
Technical
BARIUM HYDROXIDE
Reagent
BISMUTH NITRATE
Purified
BISMUTH SUBCARBONATE
U.S.P.
BISMUTH SUBGALLATE
N.F.
BISMUTH SUBNITRATE
N.F.
BISMUTH SUBSALICYLATE
U.S.P.
BISMUTH TRIOXIDE
Reagent
CADMIUM CHLORIDE
Reagent and Purified
CADMIUM NITRATE
Reagent and Purified
CALAMINE
U.S.P.
CALCIUM CHLORIDE
Reagent, U.S.P. and Purified
CALCIUM NITRATE
Reagent, Purified and Technical
CALCIUM SULFATE
Reagent
®CAL-IODIN
Purified
CARBON DISULFIDE
Technical
CHLOROFORM
U.S.P.
CHROMIUM NITRATE
Reagent
COBALT CHLORIDE
Purified and Technical
COBALT NITRATE
Purified and Technical
COBALT OXIDE
Reagent
CUPRIC ACETATE
Reagent
CUPRIC NITRATE
Purified
CUPRIC OXIDE
Reagent
FERRIC CHLORIDE
Reagent and Purified
FERROUS AMMONIUM SULFATE
Purified
FERROUS SULFATE
U.S.P. Exsiccated
FERROUS SULFIDE
Technical

ELECTRONIC CHEMICALS

ACETONE
Reagent
BARIUM ACETATE
C.P.
BARIUM NITRATE
Reagent
BENZENE
Reagent
BORIC ACID
Reagent
CARBON TETRACHLORIDE
Reagent
CHEMICAL R-500
HYDROFLUORIC ACID
Reagent
HYDROGEN PEROXIDE
Reagent and C.P. 30%
isoPROPANOL
Reagent
METHANOL
Reagent
RADIO MIXTURE NO. 3
STRONTIUM NITRATE
C.P.
TOLUENE
Reagent and Purified
TRIPLE CARBONATES
XYLENE
Reagent

HYDROCHLORIC ACID
Reagent
HYDROFLUORIC ACID
Reagent and Technical
IODINE
U.S.P.
IRON
N.F. and Purified Powder
LEAD ACETATE
Reagent, Purified and Technical
LEAD CHLORIDE
Technical
LEAD DIOXIDE
Technical
LEAD NITRATE
Reagent and Technical
LEAD THIOCYANATE
JAN-L-65
LIME
N.F.
LITHIUM CHLORIDE
Reagent and Purified
LITHIUM SULFATE
Reagent
MAGNESIUM CHLORIDE
Reagent and Purified
MAGNESIUM HYDROXIDE
N.F.
MAGNESIUM NITRATE
Technical
MAGNESIUM OXIDE
Reagent
MAGNESIUM PHOSPHATE
Purified
MAGNESIUM SULFATE
Purified
MAGNESIUM TRISILICATE
U.S.P.
MANGANESE DIOXIDE
Reagent
MANGANESE SEQUIOXIDE
Purified
MANGANOUS CARBONATE
Reagent
MANGANOUS CHLORIDE
Reagent
MANGANOUS NITRATE
Reagent
MANGANOUS SULFATE
Reagent and Purified
MERCURIC NITRATE
Purified
MERCURIC OXIDE
Reagent, N.F. and Purified
MERCURIC SULFATE
METHYL SALICYLATE
U.S.P.
MOLYBDENUM TRIOXIDE
Reagent
MOLYBDIC ACID
Reagent and Purified
NICKELOUS CARBONATE
Reagent
NICKELOUS CHLORIDE
Reagent and Purified
NICKELOUS NITRATE
Purified and Technical
NICKELOUS OXIDE
Reagent
NICKELOUS SULFATE
Reagent
NITRIC ACID
Reagent
OXALIC ACID
Reagent
PETROLEUM ETHER
Reagent
PHOSPHORIC ACID
N.F.
POTASSIUM ACETATE
N.F.
POTASSIUM BINOXALATE
Technical
POTASSIUM BISULFATE
Reagent and Fused
POTASSIUM BROMATE
Purified
POTASSIUM BROMIDE
Reagent and N.F.
POTASSIUM CARBONATE
Reagent, N.F. and Purified
POTASSIUM CHLORIDE
Reagent and U.S.P.
POTASSIUM CHROMATE
Purified
POTASSIUM DICHROMATE
Reagent
POTASSIUM FLUORIDE
Reagent
POTASSIUM HYDROXIDE
Reagent and U.S.P.
POTASSIUM IODATE
Purified
POTASSIUM IODIDE
Reagent and U.S.P.
POTASSIUM IODIDE-CALCIUM STEARATE
Purified
POTASSIUM NITRATE
Reagent
POTASSIUM NITRITE
Purified
POTASSIUM PERSULFATE
Reagent
POTASSIUM PHOSPHATE
Reagent and Purified
POTASSIUM PYROSULFATE
Reagent
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POTASSIUM THIOCYANATE
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SODIUM ACETATE
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SODIUM BROMATE
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SODIUM BROMIDE
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SODIUM CHLORATE
Reagent
SODIUM CHLORIDE
Reagent, C.P. and U.S.P.
SODIUM CITRATE
Reagent
SODIUM FLUORIDE
Reagent and U.S.P.
SODIUM HYDROXIDE
Reagent and U.S.P. and Purified
SODIUM IODIDE
U.S.P.
SODIUM MOLYBDATE
Reagent and Technical
SODIUM NITRATE
Reagent
SODIUM NITRITE
Reagent
SODIUM PHOSPHATE
Reagent
SODIUM SULFATE
Reagent
SODIUM THIOCYANATE
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Reagent and Technical
STRONTIUM CHLORIDE
Reagent
STRONTIUM HYDROXIDE
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SULFACETAMIDE SODIUM
U.S.P.
SULFAPYRIDINE
U.S.P.
SULFURIC ACID
Reagent
SULFUROUS ACID
Reagent
TIN METAL
Reagent
URANIUM SALTS
ZINC ACETATE
Reagent and Technical
ZINC CHLORIDE
Reagent
ZINC NITRATE
Technical
ZINC SULFATE
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Granular and Micro-Crystalline
AMINO ACETIC ACID TECH.
AMOBARBITAL U.S.P.
BENZALDEHYDE TECH.
BENZILIC ACID
BENZOIN
BENZYL ALCOHOL REAGENT GRADE
BENZYL ALCOHOL N.F.
BENZYL ALCOHOL PHOTO GRADE
BENZYL ALCOHOL TECH.
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BENZYL CYANIDE
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CHLOROACETIC ANHYDRIDE
CHLOROACETONE
Monochloroacetone Stabilized
CHLOROACETONITRILE
CHLOROBUTANOL ANHYDROUS U.S.P.
CHLOROBUTANAL HYDRATE U.S.P.
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DIBENZYL ETHER
DIMETHYL BENZYL CHLORIDES
Mixed Isomers
DIPHENYL ACETIC ACID
ETHYL AMINOBENZOATE N.F.
Benzocaine
ETHYL BENZYL CHLORIDES
Mixed Isomers
ETHYL PHENYL ACETATE
GLYCINE ETHYL ESTER HYDROCHLORIDE
8-HYDROXYQUINOLINE BASE
8-HYDROXYQUINOLINE BENZOATE
8-HYDROXYQUINOLINE SULPHATE
8-HYDROXYQUINOLINE POTASSIUM SULPHATE
METHALLYL ALCOHOL
METHALLYL CHLORIDE
METHYL BENZYL CHLORIDES
Mixed Isomers
METHYL PHENYL ACETATE
p-NITRO BENZYL CYANIDE
p-NITRO PHENYL ACETIC ACID
PENTOBARBITAL ACID
PENTOBARBITAL SODIUM U.S.P.
PHENOBARBITAL U.S.P.
PHENOBARBITAL SODIUM U.S.P.
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α-PHENYL BUTYRIC ACID
POTASSIUM PHENYL ACETATE SOLUTION
SECOBARBITAL U.S.P.
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n-Amyl Diethyl Malonate
Benzal Diethyl Malonate
n-Butyl Diethyl Malonate
n-Butyl Dimethyl Malonate
Diallyl Diethyl Malonate
Diethyl Diethyl Malonate
Diethyl Malonic Acid Dipotassium Salt
Ethyl n-Amyl Diethyl Malonate
Ethyl-1-Methylbutyl Diethyl Malonate
Ethyl-3-Methylbutyl Diethyl Malonate
Ethyl-1-Methylpropyl Diethyl Malonate
Ethyl Phenyl Diethyl Malonate
Iso-Propyl Diethyl Malonate
1-Methylbutyl Diethyl Malonate
3-Methylbutyl Diethyl Malonate
1-Methylproply Diethyl Malonate
Methyl n-Butyl Diethyl Malonate
Methyl n-Propyl Diethyl Malonate
Mono Allyl Diethyl Malonate
Mono Ethyl Diethyl Malonate
Mono Methyl Diethyl Malonate
Phenyl Diethyl Malonate
n-Propyl Diethyl Malonate

INTERMEDIATES:

Acetamidine Hydrochloride
1-Acetyl 2-Thiohydantoin
Allyl Acetone (5-Hexen-2-one)
Benzal Acetone
Alpha Chloromethyl Naphthalene
Chrysanthemum Monocarboxylic Acid Ethyl Ester
Cinnamoyl Chloride
Copper Glycinate, C.P. Anhyd.
Desoxybenzoin
Dichloro Benzyl Chlorides (mixed isomers)
Dichlorotoluenes (mixed isomers)
2,5-Dimethyl Hexadiene-1,5
2,5-Dimethyl Hexadiene-2,4
Ethyl Alpha Phenyl Butyrate
Glycine Amide Hydrochloride
Methyl Chloroacetate
2-Thiohydantoin

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Chloromethyl Tetralins (mixed isomers)
Alpha-Chloropropionic Acid
N-Chloro Succinimide
Trans-Chrysanthemum Monocarboxylic Acid
Dichloroacetyl Chloride
2,5-Dimethyl Benzyl Chloride (98% pure)
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Ethyl Benzoyl Acetate
Hydrobenzoin
Methallyl Acetone
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BECCO PEROXYGEN CHEMICALS for Textile Processing · Paper and Pulp Processing · Organic Synthesis · Metal Treatments

PRODUCT	Active Oxygen (% by wt min)	Assay % by weight minimum	Form	Specific Gravity (20°C.)	Stability	Solubility	Residue
Hydrogen Peroxide H_2O_2 — 27.5%	12.9	H_2O_2 27.5	clear colorless liquid	1.10	no loss of active oxygen under ordinary conditions	miscible with H_2O in all proportions	35% H.P. 0.005%
Hydrogen Peroxide H_2O_2 — 35%	16.5	H_2O_2 35.0		1.13			
Hydrogen Peroxide H_2O_2 — Formula D (Special grade for dilution purposes)	16.5	H_2O_2 35.0		1.13			
Hydrogen Peroxide H_2O_2 — 35% HP (Extra-high purity; no organics.)	16.5	H_2O_2 35.0		1.13			
Hydrogen Peroxide H_2O_2 — 50%	23.5	H_2O_2 50.0		1.20			
Hydrogen Peroxide 90%	42.3	H_2O_2 90.0	clear colorless liquid	1.39	no loss under ordinary storage conditions	miscible with H_2O in all proportions. Soluble in many organic media	less than 0.005%
Hydrogen Peroxide 98%	46.1	H_2O_2 98%		1.44 (25°C.)			
Potassium Persulfate $K_2S_2O_8$	5.8	$K_2S_2O_8$ 98%	white crystals		no loss of active oxygen over two yrs storage at room temperature	5% in water at 20°C.	
Ammonium Persulfate $(NH_4)_2S_2O_8$	6.8	$(NH_4)_2S_2O_8$ 98.0	white crystals			58% at 0°C. in water	
Sodium Carbonate Peroxide $2Na_2CO_3.3H_2O_2$	14.0	H_2O_2 29.7 (approx.)	white powder			soluble in water	
Sodium Pyrophosphate Peroxide $Na_4P_2O_7.2H_2O_2$	9.0	H_2O_2 19.0 (approx.)	white powder			soluble in water	
Urea Peroxide $CO(NH_2)_2.H_2O_2$	16.0	H_2O_2 34.0 (approx.)	white crystals			soluble in water and alcohols	
Calcium Peroxide 60% CaO_2	13.3	CaO_2 60.0	white to yellowish powder		no loss of active oxygen at room temp. Decomp. above 150°C.	insoluble in water sol. in acid media	
Magnesium Peroxide MgO_2 — 15%	4.3	MgO_2 15-25-50	yellowish white powder		no loss of active oxygen at room temp. Decomp. above 100°C.	insoluble in water sol. in acid media	
Magnesium Peroxide MgO_2 — 25%	7.1						
Magnesium Peroxide MgO_2 — 50%	14.2						
Zinc Peroxide 55% ZnO_2	9.0	ZnO_2 55 (approx.)	yellowish white powder		no loss of active oxygen at room temp. Decomp. above 150°C.	insoluble in water soluble in acid media	
Peracetic acid 40% $CH_3.COOOH$	as peracid 8.6	$CH_3 \cdot COOOH$ 40%	colorless liquid—strong odor	1.15		similar to acetic acid	
Sodium Perborate $NaBO_3.4H_2O$	10.0	$NaBO_3.4H_2O$ 96.2%	white crystalline powder		substantially no loss under ordinary storage conditions	3.4% in water at 25°C.	

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2 & 2A: H_2O_2; 3 & 46: Highly Concentrated H_2O_2; 41 & 42: H_2O_2 35% HP and Formula D; 55: Stability of Pure H_2O_2; 59: Analysis of H_2O_2 Solutions; 62: H_2O_2 Vapor; 67: H_2O_2 Physical Properties Data Book; 70: Becco H_2O_2-98%; 113: Becco H_2O_2-30% Reagent Grade; 114: Becco H_2O_2-30% CP Stabilized; 116: Becco H_2O_2-30% Electro Grade.

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SOLKA®

"SOLKA" is a registered trade name of the Brown Company for its chemically purified wood cellulose. "SOLKA-FLOC" is a finely divided cellulose produced from SOLKA. It is non-abrasive and relatively inert to acids, alkalis and solvents. It is practically ashless and, when bone dry, it is at least 99.5% cellulose. It is widely used as a filler, extender and processing aid in the rubber and plastics industries, as a filter aid, and in decorative coating. It is a versatile chemical raw material for the production of cellulose derivatives.

GENERAL CHARACTERISTICS

Uniformity: Unexcelled uniformity in SOLKA-FLOC is assured by Brown Company's own control of raw materials for conversion to flock, its large, steady volume of manufacture, many years of production experience in purified cellulose of every physical form.

Chemically Inert: SOLKA-FLOC is totally unaffected, or to a very limited degree, by solvents, dilute acids and alkalis, or even strong caustic in the cold.

Non-Abrasive: The cellulose fibres in SOLKA-FLOC are soft and resilient and completely non-abrasive to equipment and machinery with which it is handled.

Purity: SOLKA-FLOC is derived from the purest of wood cellulose fibres of high alpha content. When bone dry they are 99.5% plus pure cellulose.

Color Stability: The initial high brightness of SOLKA-FLOC shows little reversion on exposure to ultraviolet light or to heat at 100°C.

Soft: Cellulose is inherently soft and SOLKA-FLOC exceptionally so, when applied by "flocking" to give sueded surfaces, SOLKA-FLOC contributes the softest feel obtainable from any fibre.

Fibrous: SOLKA-FLOC consists of fibres of 1 to 2 microns diameter and 35 to 165 microns average length; products of either higher or lower average length can be supplied.

Controlled Bulk: Each SOLKA-FLOC item is manufactured to a controlled bulk level; their apparent densities vary from 9 to 34 pounds per cubic foot (6.8 to 1.9 cc/gram).

Ashless: White SOLKA-FLOC contains only trace amounts of minerals and is thereby readily and properly combined with other substances.

Strength: SOLKA-FLOC fibres are tough. When used as filler, they contribute real strength to most products.

Improved Color: The SOLKA-FLOC line includes products of maximum initial whiteness, maximum color stability.

Absorbent: The fibres in SOLKA-FLOC exhibit a multitude of open ends and, under some conditions, exhibit high absorptive capacity so that these products may be used as carriers for liquids or odors or even for purification by absorption. However, proper combination with rubber, waxes and other sealing agents eliminates water absorption.

Low Gravity: The true specific gravity of pure cellulose is 1.58 and, when used as filler, SOLKA-FLOC is almost unique in its ability to produce light weight products.

Variety: There are eight standard SOLKA-FLOC products, and numerous special ones, covering a complete range of physical characteristics and finenesses for all industrial applications.

SOLKA-FLOC represents a variety of fibres of novel utility, as may readily be seen from the following tabulation of some present known applications. It is available in both white and brown grades.

-FLOC*

PURE, FINELY DIVIDED WOOD CELLULOSE

APPLICATIONS

Chemical Derivatives of Cellulose
Methyl and Ethyl Ethers of Cellulose
Carboxy–Methyl Cellulose
Hydroxy–Ethyl Cellulose
Cellulose Sulfate, etc.

Plastics
Tableware, Buttons, Bottle Caps
Toys, Poker Chips, Wheels
Electrical Parts
Table Tops, Trays, etc.

Other
Coated Welding Rod
Velour Paper and Sueded Novelties
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Adhesives
Can Sealing Compounds

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All Types Soling
Floor Tile, Matting, and Tread
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Battery Cases, Tank Lining, Rolls, etc.
Sponge and Cellular Rubber
Proofed Goods and Artificial Leather

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Alkalis
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Industrial Effluents
Sodium Aluminate
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Pentaerythritol
Gelatin and Glue
Tallow and Lard
Waxes and Emulsions
Swimming Pool Water
Petroleum Additives
Antibiotics
Soap Solutions
Fruit Juices
Sodium Tungstate
Alum
Whiskey, Wine, and Beer
Industrial Process Water
Nicotinic Acid
Alkyd Resins
Edible Oils
Pectin
Gold Cyanide
Lubricating Oils
Viscose Regenerating Bath
Perfume
Coffee
Rust Preventives
Cellulose Acetate

Typical Tests

	SW 40	BW 20	BW 40	BW 100	BW 200	BNB-20	BNB 40	BNB 100
Grade	White	White	White	White	White	Brown	Brown	Brown
Brightness	87	84	84	84	84	18	18	18
Approx. Ave. Particle size - length (Microns)	100	96	80	55	50	110	76	40
Approx. Ave. Particle size - thickness (Microns)	16	18	16	19	17	20	18	19
Approx. Screen Analysis % on 40-mesh	less than 1	25	less than 1	less than 1	less than 1	20	less than 2	less than 1
% thru 100-mesh	70	55	90	95	98	55	85	95
Bulk (cc/2 grams)	13	9	6	4.5	4	8	6	4.5
Minimum Apparent Density (lbs. per cut. ft.)	5	9	11	16	18	7	10	18
Approx. % Moisture	5–7	5–7	5–7	5–7	5–7	5–7	5–7	5–7

AVAILABILITY SOLKA-FLOC is available in one-pound cans for experimental use. Commercial shipments are made in fifty (50) pound multi-wall paper bags, packed 40,000 pounds or more to the carload.

Customers interested in steady reliable quantities for indefinite periods can be cared for by Brown Company's usual contract procedure. Recently doubled production facilities are now in operation.

Brown Company maintains a Technical Service staff which will be glad to assist you in producing a new or a finer product, or in reducing the cost of your present product, through the use of SOLKA-FLOC.

Ask for specific recommendations—Write Dept. CW at our New York office

BROWN COMPANY
Berlin, New Hampshire
General Sales Office:
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*Available in Canada from Brown Forest Products, Ltd., Montreal (Alpha Floc).

Also available through Dicalite Division, Great Lakes Carbon Corporation — offices in principal U. S. cities and agents in Canada.

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METALLIC & NON-METALLIC

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Rutile (Granular and Milled)
Silica (Amorphous and Crystalline)
Talc
Whiting (Ground Calcium Carbonate)
Zircon (Granular and Milled)

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Barium Oxide
Barium Peroxide
Barium Sulphate (X-ray)
Calcium Peroxide
Ferrous Sulphate (Copperas)
Hydrofluoric Acid (Technical, Reagent)
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Lead Nitrate (Technical)
Magnesium Carbonate (Technical, U.S.P.)
Magnesium Chloride (Flake, Fused)
Magnesium Hydroxide (Technical, U.S.P.)
Magnesium Oxide (Technical, U.S.P., Calcined Magnesite)
Magnesium Peroxide
Magnesium Silicofluoride
Magnesium Sulphate (Calcined, Tech. and U.S.P., Epsom Salts)
Manganous Sulphate (Purified)
Potassium Carbonate (Calcined, Hydrated, Liquid)
Potassium Chloride (Technical, Double-refined)
Potassium Hydroxide (Flake, Liquid, Solid)
Potassium Nitrate (Technical)
Potassium Persulphate
Potassium Silicofluoride
Potassium Sulphate (Technical, Refined)
Potassium Titanium Fluoride
Potassium Zirconium Fluoride
Sodium Aluminate
Sodium Chlorite
Sodium Fluoride
Sodium Perborate (Tetrahydrate)
Sodium Persulphate
Sodium Silicofluoride
Sodium Sulphate (Saltcake-Desiccated)
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Thallium Sulphate
Urea Peroxide
Zinc Ammonium Chloride (Foaming, Non-foaming)
Zinc Sulphate
Zirconium Acetate (Solution)
Zirconium Basic Carbonate (Paste)
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What the BUYERS' GUIDE does is just what its name says. It leads . . . shows the way . . . answers questions . . . solves problems . . . wins (or loses) arguments. With utmost convenience and comforting reality, it settles critical questions . . . *"Where can I buy fatty acids? Who makes corrosion-resistant valves? Where's their nearest field engineer?* . . . and busy CPI-Management moves a step closer to a buying decision.

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3625 MEDFORD STREET
LOS ANGELES 63, CALIFORNIA

SPECIALIZED LABORATORY INSTRUMENTS

Our own need for specialized laboratory equipment necessary to research work has led us to the discovery and development of selected laboratory instruments. Such instruments presently available include a **Preparative Fraction Collector** and the **Calbiometer.**

CALBIOCHEM

MORE THAN SIX MAN CENTURIES OF EXPERIENCE AT YOUR SERVICE.





Biochemicals have reached the stage that inorganic reagents reached in the latter part of the 19th century. Users of biochemicals are now demanding high purity, and equally important, characterized purity. Although recognizing the need is the first step toward achieving the goal, much remains to be done. With all due deference to those concerned with the establishment of purity standards for inorganics, their task was a simple one compared to the job facing those who would work on standards for biochemicals. Indeed, some have expressed the opinion that the task is an impossible one, and we would hasten to agree if it is posed as a matter of preparing biochemicals which can be declared to be completely pure or even completely satisfactory now and forever. On the other hand it is certainly possible to prepare biochemicals with skill and care and to choose preparative methods which yield the smallest or least objectionable impurities. It is also possible to use techniques like chromatography and counter-current distribution to remove stubborn impurities. Finally, and perhaps most important, the products can be analyzed using properly chosen procedures. This is the outline of our approach to the problem of making high purity biochemicals available to research workers.

From a statement of principles, December, 1955.

Since the foregoing was written the Committee on Biological Chemistry of the National Academy of Sciences-National Research Council has undertaken the task of preparing "Specifications and Criteria for Biochemical Compounds." The results to date are available as Publication #719 from the National Research Council, Washington 25, D.C., $1.00.

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CALIFORNIA CORPORATION FOR BIOCHEMICAL RESEARCH
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THE SYMBOL



...AND THE DEED

CALBIOCHEM: The first and only supplier to offer a complete selection of both labeled and unlabeled biochemicals.

Today we list over 250 C^{14} labeled biochemicals of the very highest radio-purity and high specific activity.

Many of these are not available elsewhere. All of these radio-chemicals are normally maintained in stock for the same day shipment.

We do custom C^{14} and H^3 synthesis and welcome your inquiries.

Facilities are available for Tritium labeling via the Wilzbach technique.

For information on our organic chemicals and specialized laboratory instruments, please see other side.

THE SERVICE AND THE ORGANIZATION

Please Send Me (Gratis or as Indicated) the Items Marked (Indicate Quantity).

- ☐ Metabolic Map 1 – Nucleic Acid
- ☐ Metabolic Map 2 – Aromatic A.A.
- ☐ Prop. of Nucleic Acid Derivs.
- ☐ Transaminase Det'n.
- ☐ Chromatogrid $ .50*
- ☐ Prop. of Steroids (C_{18}-C_{19}) $ .50*
- ☐ Prop. of Steroids (C_{21}) $ .50*
- ☐ Bio-Doodical Pad $2.00*
- ☐ Biochemical Catalog
- ☐ Organic Catalog

☐ Please Quote on the Following_____

Name (PLEASE PRINT) Dr. Mr. Miss_____

*Please send check or money order – no institutional purchase orders.

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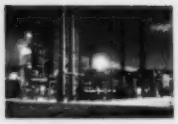
PRODUCT INDEX 1961-1962



Celanese



ON THE COVER



Distillation unit in unique Celanese plant at Bishop, Texas where hydrocarbons of natural gas have been oxidized directly into synthetic organic chemicals 24 hours a day for over 11 years.



This 20,000-gallon aluminum tankcar typifies the industrial volume of chemicals moved by Celanese. Its plant at Pampa, Texas—world's largest producer of acetic acid—currently uses over fifty of them for interplant shipments.

TECHNICAL SERVICE:

Celanese Chemical Company maintains a staff of technical personnel and a complete technical service laboratory at Summit, New Jersey. Technical assistance may be requested through the nearest Celanese office.

Celanese
CHEMICALS

NOTE:

To the best of our knowledge the information contained herein is accurate. However, neither Celanese Corporation of America nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user.

CELANESE CHEMICAL COMPANY A Division of Celanese Corporation of America
522 FIFTH AVENUE, NEW YORK 36, NEW YORK

CELANESE® CELLUFLEX® CELLUGUARD® CELLULUBE® CELLUPHOS® CELLUTHERM®
FORMCEL® LINDOL® BPL®

INTERMEDIATES

ACIDS

- ☐ Acetic Acid
- ☐ Butyric Acid
- ☐ Propionic Acid
- ☐ Acrylic Acid

ALDEHYDES

- ☐ Acetaldehyde
- ☐ Formaldehyde, Stabilized Aqueous
- ☐ Formcel Solutions
- ☐ Paraformaldehyde (Formaldehyde 91%)
- ☐ Trioxane

ANHYDRIDES

- ☐ Acetic Anhydride
- ☐ Propionic Anhydride

LACTONES

- ☐ beta-Propiolactone

POLYOLS

- ☐ Pentaerythritol
- ☐ Trimethylolpropane

SALTS

- ☐ Sodium Acetate
- ☐ Sodium & Calcium Propionates

MONOMERS

- ☐ Vinyl Acetate
- ☐ Methyl Acrylate
- ☐ Ethyl Acrylate
- ☐ Butyl Acrylate
- ☐ 2-Ethylhexyl Acrylate
- ☐ Acrylic Acid

SOLVENTS

ALCOHOLS

- ☐ Methanol
- ☐ Normal Propyl Alcohol
- ☐ Isobutyl Alcohol
- ☐ Normal Butyl Alcohol
- ☐ 2-Ethylhexyl Alcohol

ESTERS

- ☐ Normal Propyl Acetate
- ☐ Normal Butyl Acetate

GLYCOLS

- ☐ Propylene Glycol U.S.P.
- ☐ Propylene Glycol Technical
- ☐ Dipropylene Glycol
- ☐ 1,3-Butylene Glycol

KETONES

- ☐ Acetone

SOLVENTS (cont'd)

SPECIAL SOLVENTS

- ☐ Celanese Solvent 203
- ☐ Celanese Solvent 601
- ☐ Celanese Solvent 901H

OTHER

- ☐ Methylal

PLASTICIZERS

TRICRESYL PHOSPHATES

- ☐ Celluflex 179A — low specific gravity
- ☐ Celluflex 179C — general purpose
- ☐ Celluflex 179EG — electrical
- ☐ Lindol — low color

OTHER

- ☐ Tributyl Phosphate
- ☐ Triphenyl Phosphate
- ☐ Tris(beta-chloroethyl) Phosphate
- ☐ Tris(dichloropropyl) Phosphate
- ☐ Alkyl Epoxystearate
- ☐ Cresyl Diphenyl Phosphate

FUNCTIONAL FLUIDS

CELLULUBE SAFETY SERIES

- ☐ Fire-resistant phosphate ester fluids in controlled viscosities: Cellulube 90, 150, 220, 300, 550 and 1000
- ☐ Special-purpose Cellulubes 220-A, 550-A, ST-220, AP-220, and A-60.
- ☐ Celluguard water-glycol hydraulic fluid

AIRCRAFT GAS TURBINE ENGINE LUBRICANTS

- ☐ Cellutherm 2505-A Lubricant (MIL-L-9236-B)
- ☐ Cellutherm 2505-B Lubricant (MIL-L-9236-B)
- ☐ Cellutherm 2712-B Lubricant (MIL-L-7808-D)

BASE STOCKS FOR HIGH TEMPERATURE LUBRICANTS

- ☐ Celanese Base Stocks 700, 701, 702, 703, 704

POLYVINYL ACETATE EMULSIONS

- ☐ CL-100 Homopolymer
- ☐ CL-101 Homopolymer
- ☐ CL-102 Homopolymer
- ☐ CL-202 Copolymer
- ☐ CL-204 Copolymer
- ☐ CL-203 Vinyl-Acrylic

GASOLINE ADDITIVES

- ☐ Celluflex GA
- ☐ Celluflex GA Blend
- ☐ Tricresyl Phosphate GA
- ☐ CDP-GA
- ☐ CEF-GA

Celanese CHEMICALS

INTERMEDIATES

ACIDS

ACETIC ACID—reactant and solvent in manufacture of cellulose acetate and other chemical fibers and plastics; intermediate for ester solvents, dyestuffs, metallic salts, pharmaceuticals and herbicides.

BUTYRIC ACID—used in the manufacture of cellulose acetate butyrates for lacquers and molding plastics. Intermediate for production of butyric esters used in artificial flavors and plasticizers.

PROPIONIC ACID—used to produce cellulose propionate molding materials, esters for lacquers, flavors, perfumes, sodium and calcium propionate (mold inhibitors). Additive to cattle feeds, intermediate for production of herbicides.

ACRYLIC ACID—used in polymers for sizing nylon and other textiles and as a raw material for polymeric thickeners. As a polar monomer in small percentage amounts in latex polymers, it thickens and provides adhesion. Thermoset solution polymers containing acrylic acid have also been used in industrial coatings.

ALDEHYDES

ACETALDEHYDE—basic in production of acetic acid, acetic anhydride, pentaerythritol; intermediate in making DDT, dyes, pharmaceuticals.

FORMALDEHYDE, STABILIZED AQUEOUS—reacts with phenol, urea and melamine to form plastics and resinous products; agricultural disinfectant and bactericide; rubber preservative; sulfide corrosion inhibitor; mothproofing agent; tanning agent. A unique stabilization process* permits prolonged storage at reduced temperatures not possible with the standard commercial product.

FORMCEL SOLUTIONS—relatively water-free formaldehyde solutions in alcohols, especially adaptable to production of alcoholated urea and melamine resins, coatings, laminating and textile-treating resins, embalming fluids.

PARAFORMALDEHYDE (Formaldehyde 91%)—furnishes formaldehyde in more concentrated form than in commercially available aqueous solutions for manufacture of high-solids phenolic and urea resins. Low water content allows larger batches, higher yields, shorter cycle and processing times. Typical end uses served are water-repellent textile finishes, adhesives, and pharmaceuticals. Also used as fungicide and bactericide.

TRIOXANE—a completely anhydrous source of formaldehyde in the form of its cyclic trimer. Can be used advantageously in organic synthesis; useful as solid heating tablet. Excellent solvent and reaction medium where formaldehyde is required but where reaction rate must be controlled. Solid solvent for many organic materials including certain polymers.

ANHYDRIDES

ACETIC ANHYDRIDE—acetylating and esterifying agent in preparation of cellulose acetate; also used to make dyes, pharmaceuticals, esters, intermediates.

PROPIONIC ANHYDRIDE—acetylating agent for making cellulose propionate; used to prepare intermediates, esters, films, aromatic chemicals, pharmaceuticals.

LACTONES

beta-PROPIOLACTONE—chemical intermediate having marked difunctionality. Used for preparation of derivatives of beta-propionic acid and hydracrylic acid; also an intermediate for modification of carbohydrates.

POLYOLS

PENTAERYTHRITOL—used in manufacture of medium-and long-oil alkyd resins for the production of surface coatings with higher gloss retention, faster drying time, increased durability. Also used in production of rosin esters and synthetic drying oils. New pelletized technical grade gives easier handling, reduces dust hazard and waste. Pure crystal grade also available.

TRIMETHYLOLPROPANE—in manufacture of alkyd-based baking enamels, provides better adhesion, color, color retention and hardness. In polyurethanes, provides greater mixing ease in compounding polyesters and pre-polymers with diisocyanates and gives better physical properties.

SALTS

SODIUM ACETATE—used in preparation and application of azo dyestuffs, in the manufacture of copper acetate pigments, and as a neutralizer and mordant in the textile and leather industries.

SODIUM & CALCIUM PROPIONATES—used in treatment of ketosis in cattle as a rumen supplement; fungicidal properties make these products useful in many applications. Effective mold inhibitor in the baking industry.

MONOMERS

VINYL ACETATE—basic material in manufacture of polyvinyl resin adhesives, textile and paper coatings, plastic films, sheeting and molding materials, water-emulsion paints.

METHYL ACRYLATE—vinyl monomer used in manufacture of leather-finish resins, textile and paper coatings and plastic films. Produces the hardest resin of the acrylate ester series.

ETHYL ACRYLATE—vinyl monomer used in manufacture of water-emulsion paint vehicles, textile and paper coatings, leather-finish resins and adhesives. Imparts flexibility to hard films.

BUTYL ACRYLATE—vinyl monomer used in the manufacture of latices and solution polymers important to the paint, adhesive, leather, and paper coating trades. Butyl acrylate imparts flexibility, tackiness, and water resistance.

2-ETHYLHEXYL ACRYLATE—vinyl monomer used in the manufacture of water-emulsion paint vehicles, solution polymers, textile and paper coatings, leather-finish resins, and adhesives. Imparts excellent low-temperature flexibility to films and is the tackiest of the series.

ACRYLIC ACID—see ACIDS

*Patent applied for.

INTERMEDIATES

	MOL WT	PURITY wt %, min	COLOR Platinum-Cobalt scale, max	WATER CONTENT wt %, max	IRON, PPM max	ACIDITY wt %, max	WEIGHT lb/gal 20 C	SPECIFIC GRAVITY 20/20 C
ACIDS								
ACETIC ACID	60.05	99.85	10	0.15	1.0	0.05[a]	8.74	1.0505-1.0520
BUTYRIC ACID	88.10	99.5	15	0.20	—	—	7.99	0.9580-0.9610
PROPIONIC ACID	74.08	99.0	15	0.25	1.0	—	8.29	0.9945-0.9955
ACRYLIC ACID	72.07	99.4±0.4	5-15	—	—	—	8.75	1.048-1.052
ALDEHYDES								SPECIFIC GRAVITY 18/20 C
ACETALDEHYDE	44.05	99.0	20	—	—	0.1[b]	6.49	0.780-0.790
								ALCOHOL CONTENT wt %
FORMALDEHYDE 37% (1% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.26	1.0 max
FORMALDEHYDE 37% (7% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.13	6.5-7.5
FORMALDEHYDE 37% (12-15% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.05	12-15
FORMALDEHYDE 44% (1% Methanol)	30.03	44.5±0.5	10	—	0.5	0.03[a]	9.44	1.5 max
								SPECIFIC GRAVITY 25/25 C
METHYL FORMCEL 46.5%	Mixture	46.5±0.5 (as HCHO)	10	8.5-9.5	0.5	0.04[a]	8.48	1.014[d]
METHYL FORMCEL 55%	Mixture	55.0±0.5 (as HCHO)	10	10.5-11.5	0.5	0.05[a]	8.92	1.064[d]
n-PROPYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	7.5-8.5	0.5	0.03[a]	8.14	0.969[d]
n-BUTYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	6.5-7.5	0.5	0.03[a]	8.14	0.973[d]
ISOBUTYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	7.5-8.5	0.5	0.03[a]	8.12	0.973[d]
PARAFORMALDEHYDE FLAKE (Formaldehyde 91%)	—	91.0	—	9.0	2.0	0.03[a]	—	—
PARAFORMALDEHYDE POWDER (Formaldehyde 91%)	—	91.0	—	9.0	2.0	0.03[a]	—	—
TRIOXANE (Formaldehyde 99%)	90.08	—	—	—	2.0	0.02[a]	—	—
ANHYDRIDES								SPECIFIC GRAVITY 20/20 C
ACETIC ANHYDRIDE	102.09	98.5	10	—	1.0	1.5[b]	9.02	1.080-1.085
PROPIONIC ANHYDRIDE	130.14	99.0	20	—	—	—	8.43	1.010-1.015
LACTONES								
beta-Propiolactone (BPL)	72.03	97.0	20	nil	—	—	9.56	1.1420[d]
POLYOLS			HYROXYL CONTENT wt %		ASH CONTENT wt %, max		BULK DENSITY lb/cu ft	
PENTAERYTHRITOL, Technical (Pellets or crystals)	—	88.0	48.0-48.5	0.5	0.03	—	45[d]	—
PENTAERYTHRITOL, Pure	136.15	97.0	49.3 min	0.1	0.03	—	45[d]	—
TRIMETHYLOLPROPANE	134.17	98.5	37.5 min	0.05	—	0.002[a]	38[d]	—
SALTS			COLOR Platinum-Cobalt scale, max		IRON, PPM max			
SODIUM ACETATE, ANHYDROUS	82.04	99.0	—	0.9	50	—	33[d]	—
SODIUM PROPIONATE	96.07	99.0	25 (15% soln.)	1.0	50	—	36[d]	—
CALCIUM PROPIONATE	186.22	95.0	25 (15% soln.)	5.0	50	—	34[d]	—
MONOMERS							WEIGHT lb/gal 20 C	
VINYL ACETATE	86.09	99.9	5	0.04	—	0.005	7.77	0.9335-0.9340
METHYL ACRYLATE	86.09	99.5	10	0.10	—	0.009[c]	7.96	0.9561-0.9576
ETHYL ACRYLATE	100.11	99.5	10	0.10	—	0.009[c]	7.68	0.9227-0.9242
BUTYL ACRYLATE	128.17	99.5	10	0.10	—	0.009[c]	7.49	0.9001-0.9016
2-ETHYLHEXYL ACRYLATE	184.16	99.0	10	0.10	—	0.009[c]	7.38	0.8855-0.8870
ACRYLIC ACID (See ACIDS)								

a—formic acid content b—as acetic acid c—as acrylic acid d—approximate

Celanese CHEMICALS

SOLVENTS

ALCOHOLS

METHANOL—excellent solvent for cellulose nitrate, other natural and synthetic resins and gums. Intermediate for formaldehyde production.

NORMAL PROPYL ALCOHOL—excellent solvent for ethyl cellulose and flexographic inks. Latent nitrocellulose solvent with same evaporation rate as butyl acetate.

ISOBUTYL ALCOHOL—modifying agent in alcoholated ureas. Latent solvent in lacquers.

NORMAL BUTYL ALCOHOL—latent solvent for cellulose nitrate lacquers, dopes and thinners. Solvent for urea-formaldehyde resins.

2-ETHYLHEXYL ALCOHOL (octyl alcohol)—most widely used as intermediate for plasticizers such as bis(2-ethylhexyl) phthalate (DOP). Also used as component of surfactants, herbicidal formulations, and in applications utilizing its defoaming or solvent characteristics.

ESTERS

NORMAL PROPYL ACETATE—economical replacement for either methyl isobutyl ketone or butyl acetate-ethyl acetate mixtures in nitrocellulose lacquers.

NORMAL BUTYL ACETATE—widely used medium-evaporating solvent in lacquers.

GLYCOLS

PROPYLENE GLYCOL U.S.P.—A humectant for cosmetics, tobaccos, foods such as shredded coconut, and food wrappings of cellophane.

PROPYLENE GLYCOL Technical—important component for production of polyester resins. Co-solvent for brake fluids.

DIPROPYLENE GLYCOL—provides excellent coupling action as co-solvent for brake fluids and printing inks.

1,3-BUTYLENE GLYCOL—Used in polyesters, polyurethanes, plasticizers, surfactants, and humectants. Effective coupling agent and ink component.

KETONES

ACETONE—powerful solvent for cellulose acetate, nitrocellulose, oils, greases, fats, gums, explosives and dyes. Intermediate in manufacture of acrylates.

SPECIAL SOLVENTS

CELANESE SOLVENT 203—low cost replacement for normal butyl alcohol in nitrocellulose lacquers, alkyd resin formulations, and thinners.

CELANESE SOLVENT 601—economical replacement for methyl ethyl ketone in vinyl and nitrocellulose applications.

CELANESE SOLVENT 901H—economical replacement for butanol and methyl isobutyl carbinol in lacquers and brake fluids.

OTHER

METHYLAL—fast evaporating diether solvent and pharmaceutical extractant. Useful for polystyrene, nitrocellulose, and as additive for gasoline and diesel fuel.

PLASTICIZERS

CELLUFLEX 179A (tricresyl phosphate, low specific gravity)—contains the lowest ortho content commercially available. Useful as a flame-resistant plasticizer, particularly in cellulosics and vinyls.

CELLUFLEX 179C (tricresyl phosphate, general purpose grade)—combines excellent solvent power and flame-retardant properties with low volatility as plasticizer for vinyl resins and cellulosics. Especially advantageous for coatings and films where flame resistance and toughness are vital. Also used as adhesive in air filters.

CELLUFLEX 179EG (tricresyl phosphate, electrical grade)—affords the insulation industry excellent solvent properties and inherent flame resistance with uniform high electrical characteristics and lower weight per unit volume.

LINDOL (tricresyl phosphate, low color)—standard flame-resistant plasticizer in vinyl and cellulosic plastics, and in vinyl, cellulose nitrate and ethyl cellulose coatings. Also widely used as lubricant and additive in both petroleum and synthetic lubricants. Low volatility and good resistance to extraction by oil are additional assets.

CELLUPHOS 4 (tributyl phosphate)—foam depressant for emulsion systems, plasticizer for nitrile elastomers. Solvent and extractant. Complexing agent for inorganics.

CELLUFLEX TPP (triphenyl phosphate)—most widely used as plasticizer in cellulose acetate. Excellent fire-resistance; good flexibility; produces clear tough compositions. Also used in phenolic plastics.

CELLUFLEX CEF (tris[beta-chloroethyl] phosphate)—exceptional flame-retardant plasticizer imparting unique properties to a variety of plastics and surface coatings. Can be used effectively with such resins as: polyurethane, phenolics, polyesters, epoxies, polyvinyl chloride, polyvinyl acetate, nitrocellulose, cellulose acetate, ethyl cellulose.

CELLUFLEX FR-2 (tris[dichloropropyl] phosphate)—exceptional flame retardant for a variety of plastics and coatings. Can be used effectively with such resins as polyurethanes, phenolics, polyesters, epoxies, polyvinyl chloride, and others.

CELLUFLEX 23 (alkyl epoxystearate)—economical low-temperature plasticizer and stabilizer for polyvinyl chloride and certain other polymers. Imparts low viscosity and viscosity stability to plastisols.

CELLUFLEX 112 (cresyl diphenyl phosphate)—for high degree of flame-resistance in vinyl formulations, better low temperature properties, and light stability than with tricresyl phosphate.

Descriptive Data

SOLVENTS

	MOL WT	DISTILLATION RANGE, C	COLOR Platinum-Cobalt scale, max	WATER CONTENT wt %, max	FLASH POINT, F open cup	ACIDITY as acetic wt %, max	WEIGHT lb/gal 20 C	SPECIFIC GRAVITY 20/20 C
ALCOHOLS								
METHANOL	32.04	1.0	5	0.15	60	0.003	6.63*	0.7928 max
NORMAL PROPYL ALCOHOL	60.09	2.0 incl 97.15	5	0.2	90	0.003	6.70	0.8045-0.8070
ISOBUTYL ALCOHOL	74.12	2.0 incl 107.9	10	0.2	100	0.003	6.70	0.8030-0.8040
NORMAL BUTYL ALCOHOL	74.12	117.0-118.0	10	0.1	115	0.005	6.75	0.8105-0.8110
2-ETHYLHEXYL ALCOHOL	130.23	183.0-185.5	5	0.1	185	0.01	6.94	0.8335-0.8345
ESTERS								
NORMAL PROPYL ACETATE	—	95-103	15	TO PASS HEPTANE TEST	65	0.01	7.32	0.878-0.883
NORMAL BUTYL ACETATE	—	118-128	10	TO PASS HEPTANE TEST	100	0.01	7.29	0.874-0.876
GLYCOLS								
PROPYLENE GLYCOL USP	76.09	186-188	5	0.1	225	0.003	8.64	1.0375-1.0385
PROPYLENE GLYCOL Technical	76.09	185-189	10	0.1	225	0.003	8.64	1.0375-1.0390
DIPROPYLENE GLYCOL	134.17	222-236	15	0.2	280	0.01	8.52	1.022-1.026
1,3-BUTYLENE GLYCOL	90.12	200-215	10	0.5	250	0.005	8.40	1.004-1.006
KETONES								
ACETONE	58.08	1.0 incl 56.1	5	0.5	15	0.002	6.59	0.7910-0.7925
SPECIAL SOLVENTS								
CELANESE SOLVENT 203	Mixture	115-120	10	0.2	100	0.005	6.78	0.813-0.825
CELANESE SOLVENT 601	Mixture	74-84	20	0.3	10	0.005	7.07	0.825-0.845
CELANESE SOLVENT 901H	Mixture	125-155	20	TO PASS HEPTANE TEST	120	0.009	7.00	0.838-0.855
OTHER								
METHYLAL	76.09	42.0-43.5	20	1.5	0	0.10	7.18	0.8615-0.8645

*at 60 F

PLASTICIZERS

	DESCRIPTION	APPEARANCE	COLOR Platinum-Cobalt scale, max	SPECIFIC GRAVITY 20/20 C	ACIDITY mg KOH/ gram sample max	PERMANGANATE TIME, min (in minutes)	WATER CONTENT wt %, max
CELLUFLEX 179A	Tricresyl phosphate, low specific gravity	Clear transparent liquid	100	1.143±0.006	0.1	30	0.1
CELLUFLEX 179C	Tricresyl phosphate, general purpose grade	Clear transparent liquid	100	1.165±0.005	0.1	30	0.1
CELLUFLEX 179EG	Tricresyl phosphate, electrical grade	Clear transparent liquid	100	1.143±0.008	0.1	30	0.1
LINDOL	Tricresyl phosphate, low color	Clear transparent liquid	50	1.167±0.005	0.1	30	0.1
CELLUPHOS 4	Tributyl phosphate	Clear transparent liquid	25	0.978-0.983	0.5	—	0.2
CELLUFLEX TPP	Triphenyl phosphate	White flake	—	—	0.03	30	0.1
CELLUFLEX CEF	Tris(beta-chloroethyl) phosphate	Clear transparent liquid	50	1.425±0.005	0.1	—	0.1
CELLUFLEX FR-2	Tris(dichloropropyl) phosphate	Clear transparent liquid	100	1.513±0.005	0.1	—	0.1
CELLUFLEX 23	Alkyl epoxystearate	Clear transparent liquid	100	0.925±0.005	1.0	—	0.1
CELLUFLEX 112	Cresyl diphenyl phosphate	Clear transparent liquid	40	1.200±0.005	0.1	30	0.1

Celanese CHEMICALS

FUNCTIONAL FLUIDS

CELLULUBE SAFETY SERIES

CELLULUBE 90, 150, 220, 300, 550 and 1000—a series of functional fluids specially developed to combine superior fire-resistance with excellent lubricating qualities. Available in controlled viscosities for industrial hydraulic and lubricant applications.

CELLULUBE 220-A—Improved Cellulube 220 permitting lower start-up temperature, increased high-temperature viscosities, and anti-rust protection.

CELLULUBE 550-A—Medium-viscosity synthetic lubricant and hydraulic fluid having high viscosity index. Permits start-up of equipment at relatively low temperatures.

CELLULUBE ST-220—Synthetic lubricant formulated to give high degree of protection against rust and corrosion in systems where water contamination is possible.

CELLULUBE AP-220—Phosphate ester rust preservative for hydraulic equipment, having a protective life of about three months.

LOW-TEMPERATURE HYDRAULIC FLUID

CELLULUBE A-60—A fire-resistant fluid for aircraft and industrial use in hydraulic systems operating in sub-zero climatic conditions. It permits start-up and operation of hydraulic systems at —50 F.

WATER-GLYCOL HYDRAULIC FLUID

CELLUGUARD—Celluguard is a water-glycol fire-resistant hydraulic fluid for normal hydraulic operating conditions; it is economical and requires minimum conversion.

AIRCRAFT GAS TURBINE ENGINE LUBRICANTS

CELLUTHERM 2505-A and 2505-B—high-temperature synthetic lubricants for aircraft gas turbine engines operating at a bulk fluid temperature of 400 F. Qualified under U. S. Air Force Specification MIL-L-9236-B. Cellutherm 2505-B exhibits oxidative stability superior to 2505-A and offers a better long-range price structure. As a result, 2505-A is available on special order only.

CELLUTHERM 2712-B—a synthetic lubricating oil for aircraft gas turbine engines operating at a bulk fluid temperature of 300 F. Qualified under U. S. Air Force Specification MIL-L-7808-D.

BASE STOCKS FOR HIGH-TEMPERATURE LUBRICANTS

BASE STOCKS FOR HIGH-TEMPERATURE LUBRICANTS—These trimethylolpropane ester base stocks provide an opportunity for custom formulating. They may also prove highly useful as additives or ingredients in both lubricating oils and greases. They are readily soluble in most synthetics and hydrocarbons, and their low toxicity minimizes handling problems.

FUNCTIONAL FLUIDS

CELLULUBE SAFETY SERIES

	DESCRIPTION	AUTO-IGNITION POINT, F, min	CLEVELAND OPEN CUP FLASH POINT, F min	CLEVELAND OPEN CUP FIRE POINT, F min	COLOR NPA max	SPECIFIC GRAVITY 60/60 F	ACIDITY mg KOH/ gram sample max	VISCOSITY SUS, 100 F	WATER CONTENT wt %, max
CELLULUBE 90	Phosphate ester	1150	455	665	1½	1.205±0.005	0.1	85-105	0.1
CELLULUBE 150	Phosphate ester	1150	455	665	1½	1.165±0.01	0.1	140-160	0.1
CELLULUBE 220	Phosphate ester	1150	455	665	1½	1.145±0.02	0.1	208-230	0.1
CELLULUBE 300	Phosphate ester	1150	455	665	2	1.145±0.02	0.1	290-330	0.1
CELLULUBE 550	Phosphate ester	1150	455	665	2	1.145±0.02	0.1	550-650	0.1
CELLULUBE 1000	Phosphate ester	1150	455	665	5	1.180±0.02	0.1	900-1000	0.1
CELLULUBE 220A	Phosphate ester	1150	455	665	1½	1.165±0.02	0.15	190-220	0.1
CELLULUBE 550A	Phosphate ester	1100	455	665	2	1.140±0.02	0.1	625-675	0.1
CELLULUBE ST-220	Rust-inhibited phosphate ester	1150	455	665	2	1.145±0.02	0.2	200-230	0.1
CELLULUBE AP-220	Phosphate ester preservative	1150	455	665	2	1.145±0.02	0.4	200-230	0.1

LOW-TEMPERATURE HYDRAULIC FLUID

	DESCRIPTION	SPECIFIC GRAVITY 60/60 F	AUTO-IGNITION POINT, F	VISCOSITY SUS, 100 F	VISCOSITY SUS, —40 F max	VISCOSITY INDEX min	POUR POINT, F max	ACIDITY mg KOH/g sample, max
CELLULUBE A-60	Phosphate ester	1.015±0.01	1025	55-65	2500	215	—75	0.20

WATER-GLYCOL HYDRAULIC FLUID

	DESCRIPTION	CLEVELAND OPEN CUP FIRE POINT F	CLEVELAND OPEN CUP FLASH POINT F	POUR POINT F	VISCOSITY SUS, 100 F	VISCOSITY INDEX	pH
CELLUGUARD FIRE-RESISTANT HYDRAULIC FLUID	Water-glycol	None*	None*	—40	205	+141	9.5

*While water content is maintained.

AIRCRAFT GAS TURBINE ENGINE LUBRICANTS

	DESCRIPTION	MEETS MILITARY SPECIFICATION	VISCOSITY cs, 400 F	VISCOSITY cs, 210 F	VISCOSITY cs, 100 F	VISCOSITY cs, —65 F	VISCOSITY INDEX	POUR POINT, F max
CELLUTHERM 2505-A	Trimethylolpropane esters	MIL-L-9236-B	1.25	3.55	15.8	19,000	+120	—90
CELLUTHERM 2505-B	Trimethylolpropane esters	MIL-L-9236-B	1.05	3.55	15.8	20,452	+120	—90
CELLUTHERM 2712-B	Esters, including trimethylolpropane esters	MIL-L-7808-D	—	3.09	12.35	11,900	+125	—90

BASE STOCKS FOR HIGH-TEMPERATURE LUBRICANTS

	DESCRIPTION	CLEVELAND OPEN CUP FIRE POINT F	CLEVELAND OPEN CUP FLASH POINT F	VISCOSITY SUS, 210 F	VISCOSITY SUS, 100 F	VISCOSITY cs, —65 F	VISCOSITY INDEX	POUR POINT, F, max (CLEAR)
CELANESE BASE STOCK 700	Trimethylolpropane triester	570	500	42.29	114.6	Solid	+144	—30
CELANESE BASE STOCK 701	Trimethylolpropane triester	610	540	43.33	122.26	Solid	+146	—10
CELANESE BASE STOCK 702	Trimethylolpropane triester	465	410	34.99	59.2	8,500	+101	—95
CELANESE BASE STOCK 703	Trimethylolpropane triester	505	455	38.50	82.63	17,500	+131	—90
CELANESE BASE STOCK 704	Trimethylolpropane triester	520	460	37.77	76.93	14,900	+126	—90

Celanese CHEMICALS

POLYVINYL ACETATE EMULSIONS

CELANESE CL-100—A medium particle size homopolymer designed as a general purpose emulsion for use in adhesives and paints.

CELANESE CL-101—A large particle size homopolymer available in four viscosity ranges. It has been accepted by the Food and Drug Administration for use in adhesives and paper coatings that may come in contact with food. It is also recommended for use in general purpose adhesives, textile finishing, and hosiery sizing.

CELANESE CL-102—A fine particle size, water resistant homopolymer emulsion designed especially for use in paints and adhesive and paper coating specialties.

CELANESE CL-202—A fine particle size, water resistant copolymer emulsion having excellent durability in paint formulations.

CELANESE CL-204—A vinyl copolymer emulsion having high pigment binding properties, improved scrub resistance, and durability in paints.

CELANESE CL-203—A vinyl-acrylic copolymer emulsion imparting outstanding durability to paints.

GASOLINE ADDITIVES

CELLUFLEX GA (tricresyl phosphate)—conforms to requirements of MIL-T-9188-B (USAF) for use in military aviation gasoline.

CELLUFLEX GA BLEND—a blend of Celluflex GA with suitable carrier solvents for use in aviation and automotive fuel.

TRICRESYL PHOSPHATE GA—a recognized deposit-modifying material for high-compression automotive fuels.

CDP-GA (cresyl diphenyl phosphate)—provides the established benefits of phosphorus-containing deposit modifiers in automotive gasolines at an economical price.

CEF-GA (tris[beta-chloroethyl] phosphate)—another deposit modifier for minimizing spark plug fouling and pre-ignition.

POLYVINYL ACETATE EMULSIONS

	DESCRIPTION	SOLIDS CONTENT wt %	pH	FREE MONOMER wt %, max	VISCOSITY cp at 25 C
CELANESE CL-100	Homopolymer	55±1	4.0-5.0	0.5	1000-1500
CELANESE CL-101	Homopolymer	55±1	4.0-5.0	0.5	800-1200
CELANESE CL-101-H	Homopolymer	55±1	4.0-5.0	0.5	1200-1800
CELANESE CL-101-E	Homopolymer	55±1	4.0-5.0	0.5	2600-3200
CELANESE CL-101-V	Homopolymer	55±1	4.0-5.0	0.5	3200-4000
CELANESE CL-102	Homopolymer	55±1	4.0-5.0	0.5	1000-1500
CELANESE CL-202	Copolymer	55±1	4.0-5.0	0.5	1900-2500
CELANESE CL-204	Copolymer	55±1	4.0-5.0	0.5	300-600
CELANESE CL-203	Vinyl-acrylic	55±1	4.0-5.0	0.5	1900-2500

GASOLINE ADDITIVES

	DESCRIPTION	APPEARANCE	COLOR NPA, max	SPECIFIC GRAVITY 20/20 C	ACIDITY mg KOH/ gram sample	WATER CONTENT wt %, max
CELLUFLEX GA	Tricresyl phosphate	Clear transparent liquid	1½	1.160-1.175	0.2	0.1
TRICRESYL PHOSPHATE GA	Tricresyl phosphate	Clear transparent liquid	1½	1.162±0.015	0.1	0.1
CDP-GA	Cresyl diphenyl phosphate	Clear transparent liquid	1½	1.197±0.007	0.2	0.1
CEF-GA	Tris(beta-chloroethyl) phosphate	Clear transparent liquid	—	1.425±0.01	0.2	0.2

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For complete information, samples, prices, write:

CELANESE CHEMICAL COMPANY A Division of Celanese Corporation of America
522 FIFTH AVENUE, NEW YORK 36, NEW YORK

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NITROPARAFFINS BUYERS FILE

PRODUCT GROUPS	PRODUCTS	MOLECULAR WEIGHT	SPECIFIC GRAVITY AT 20/20°C	POUNDS PER U. S. GALLON AT 68°F	BOILING POINT OR DISTILLATION RANGE, °C AT 760 mm	FLASH POINT °F TAG OPEN CUP	SOLUBILITY ml per 100 ml: PRODUCT IN WATER, 25°C	SOLUBILITY ml per 100 ml: WATER IN PRODUCT, 25°C
NITROPARAFFINS	Nitroethane $CH_3CH_2NO_2$	75.07	1.044-1.048[a]	8.75	114.0	106	4.5(20°C)	0.9(20°C)
	Nitromethane CH_3NO_2	61.04	1.127-1.131	9.48	101.2	112	9.5(20°C)	2.2(20°C)
	1-Nitropropane $CH_3CH_2CH_2NO_2$	89.09	0.997-0.999[a]	8.35	131.6	120	1.4(20°C)	0.5(20°C)
	2-Nitropropane $CH_3CHNO_2CH_3$	89.09	0.986-0.990[a]	8.24	120.3	103	1.7(20°C)	0.6(20°C)
ALKA-TERGES®	Alkaterge-C	Approx. 350	0.920-0.930[a]	7.71	Non-volatile	400[d]	<0.005g/100 ml	–
	Alkaterge-T	–	Melts at 59°C	–	Non-volatile	None	<0.01	–
AMINOHYDROXY COMPOUNDS	2-Amino-2-methyl-1-propanol $CH_3C(CH_3)NH_2CH_2OH$	89.14	0.934	7.77	165	153	Miscible	Miscible
	2-Amino-2-methyl-1, 3-propanediol $CH_2OHC(CH_3)NH_2CH_2OH$	105.14	Crystalline	–	151[b]	–	250g(20°C)	–
	2-Amino-2-ethyl-1, 3-propanediol $CH_2OHC(C_2H_5)(NH_2)CH_2OH$	119.17	1.099	9.14	152-153[b]	–	Miscible	Miscible
	Tris(hydroxymethyl)aminomethane $(CH_2OH)_3CNH_2$	121.14	Melts at 171°C	–	219-220[b]	–	80	–
	*2-Amino-1-butanol $CH_3CH_2CHNH_2CH_2OH$	89.14	0.944	7.85	178	–	Miscible	Miscible
	*2-Dimethylamino-2-methyl-1-propanol $(CH_3)_2CN(CH_3)_2CH_2OH$	117.19	0.9038[a]	7.51[c]	159-161	135[d]	Miscible	Miscible
HYDROXYLAMINE SALTS	Hydroxylammonium Acid Sulfate $NH_2OH \cdot H_2SO_4$	131.11	Crystalline	–	Decomposes	–	390g/100 ml	–
	Hydroxylammonium Chloride $NH_2OH \cdot HCl$	69.50	Crystalline	–	Decomposes	–	94.7g/100 ml	–
	Hydroxylammonium Sulfate $(NH_2OH)_2 \cdot H_2SO_4$	164.15	Crystalline	–	Decomposes	–	63.9g/100 ml	–
NITROHYDROXY COMPOUNDS	Tris(hydroxymethyl)nitromethane $(CH_2OH)_3CNO_2$	151.12	Melts at 175°C	–	Decomposes	–	220g/100 ml	–
	*2-Nitro-1-butanol $CH_3CH_2CHNO_2CH_2OH$	119.12	1.140	9.48	105[b]	227	20g/100 ml	–
	*2-Nitro-2-ethyl-1, 3-propanediol $CH_2OHC(C_2H_5)NO_2CH_2OH$	149.15	Melts at 56°C	–	Decomposes	–	400g/100 ml	–
	*2-Nitro-2-methyl-1, 3-propanediol $CH_2OHC(CH_3)NO_2CH_2OH$	135.12	Melts at 147°C	–	Decomposes	–	80g/100 ml	–
	*2-Nitro-2-methyl-1-propanol $CH_3C(CH_3)NO_2CH_2OH$	119.12	Melts at 90°C	–	94.5-95.5[b]	–	350g/100 ml	–

OXAZOLINE WAXES

Oxazoline Waxes are synthetic waxes which suggest their use wherever natural waxes are now used; i.e., self-polishing floor waxes, paste and liquid polishes, leather, paper, and textile finishes, synthetic lubricants, metal working lubricants, cosmetics. Completely compatible with common waxes. Some possess limited solubility in organic solvents while others are highly soluble. Low order of toxicity.

PRODUCTS	MOL. WT.	MELTING PT. °C
TS-254	968	63
TX-1	1352	160
TS-254A	656	50
TS-254AA	398	93
ES-254	723	37
TS-970	937	74

*Denotes development chemicals which are available in experimental quantities.

a–At 25/25°c. **b**–At 10mm Hg. **c**–At 77°F. **d**–Cleveland open cup.

COMMERCIAL SOLVENTS CORPORATION
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FOR CSC INDUSTRIAL CHEMICALS SEE REVERSE

INDUSTRIAL CHEMICALS
BUYERS FILE

PRODUCT GROUPS	PRODUCTS	MOLECULAR WEIGHT	SPECIFIC GRAVITY AT 20/20°C	POUNDS PER U.S. GALLON AT 68°F	BOILING POINT OR DISTILLATION RANGE, °C AT 760 mm	FLASH POINT °F TAG OPEN CUP	SOLUBILITY ml per 100 ml: PRODUCT IN WATER, 25°C	SOLUBILITY ml per 100 ml: WATER IN PRODUCT, 25°C
ALCOHOLS	Butanol (n-butyl alcohol) $CH_3(CH_2)_3OH$	74.12	0.810-0.812	6.756	117.7	114	8.90	17.12
	Ethyl Alcohol, Anhydrous (200 proof) C_2H_5OH	46.07	0.7942 60/60°F	6.61 (60°F)	78.32	61	Miscible	Miscible
	Ethyl Alcohol, 95% (190 proof) C_2H_5OH	46.07	0.8158 60/60°F	6.79 (60°F)	78.1	66	Miscible	Miscible
	Methanol CH_3OH	32.04	0.7926 max.	6.63 (60°F)	64.5	60	Miscible	Miscible
AMINES AND AMMONIA	Ammonia, Anhydrous Liquid NH_3	17.03	(Density, −30°F) 0.683	5.70 (−30°F)	−33.35	—	45.7g/100ml	8.79g/100ml
	Ammonia, Aqua, 25%	—	0.9106, 60/60°F	7.58 (60°F)	35	—	—	—
	Ammonium Nitrate (83% sol.)	—	1.383 70/4°C	11.27 (70°C)	—	—	Miscible	Miscible
	Dimethylamine $(CH_3)_2NH$	45.09	0.6865 (−6°C)	7.8 (25% sol)	6.88	54, (25% sol)	Very soluble	—
	Monomethylamine CH_3NH_2	31.06	0.699 (−10.8°C)	7.7 (30% sol)	− 6.79	34, (25% sol)	Very soluble	—
	Trimethylamine $(CH_3)_3N$	59.11	0.662 (−5°C)	7.8 (25% sol)	2.87	38, (25% sol)	Very soluble	—
	Hydroxyethyltrimethylammonium bicarbonate (45% aqueous solution) $(CH_3)_3NCH_2CH_2OH \cdot HCO_3$	165.19	1.0965[k]	9.15	[b]	—	Miscible	Miscible
	Benzyltrimethylammonium Chloride[a] $C_6H_5CH_2N(CH_3)_3Cl$	185.70	1.07	8.90	[b]	—	411g/100ml	—
ESTERS	Amyl Acetate (90% min.) $CH_3CO_2C_5H_{11}$	130.19	0.865-0.871	7.25	125-150	95	0.4	1.6
	Butyl Acetate (90%-92%) $CH_3COO(CH_2)_3CH_3$	116.16	0.874-0.877	7.29	118-128	92	0.5	1.6
	Butyl Lactate (> 95%) $CH_3CHOHCOO(CH_2)_3CH_3$	146.19	0.974-0.984	8.15	188	168	3.5	15.0
	Butyl Stearate $C_{17}H_{35}COOC_4H_9$	340.59	0.856-0.861[h]	7.14	220-225[c]	374[e]	0.2	0.03
	Dibutyl Phthalate (> 99%) $C_6H_4(COOC_4H_9)_2$	278.35	1.047-1.049	8.72	340	340[e]	0.01	0.46
	Ethyl Acetate (85%-88%) $CH_3COOC_2H_5$	88.11	0.883-0.888	7.37	77.1	40	9.7	9.8
	Tributyl Phosphate $(C_4H_9)_3PO_4$	266.32	0.973-0.983	8.19	177-178[d]	294[e]	0.6	7.0
PHARMA-CEUTICALS	Riboflavin, U.S.P. $C_{17}H_{20}O_6N_4$	376.38	Crystalline	—	[b]	—	10mg/100ml	—
	Riboflavin, R.S., U.S.P. $C_{17}H_{20}O_6N_4$	376.38	Crystalline	—	[b]	—	120mg/100ml	—
	Monosodium Glutamate $HOOC\text{-}CH(NH_2)(CH_2)_2COONa \cdot H_2O$	187.13	Crystalline	—	[b]	—	50%	—
	Zinc Bacitracin	—	—	—	—	—	—	—
OTHER CHEMICALS	Acetone CH_3COCH_3	58.08	0.791-0.793	6.59	56.24	15	Miscible	Miscible
	Dimethyl Ether $(CH_3)_2OH$	46.07	Gas	Gas	−24.9	−42	35.3[m]	7.0[m]
	Formaldehyde† HCHO	30.03	1.096-1.108[f]	9.16-9.25[f]	−19	156-177[f,g]	Very soluble	—
	Pentaerythritol $C(CH_2OH)_4$	136.15	Crystalline	—	—	—	Moderate	—

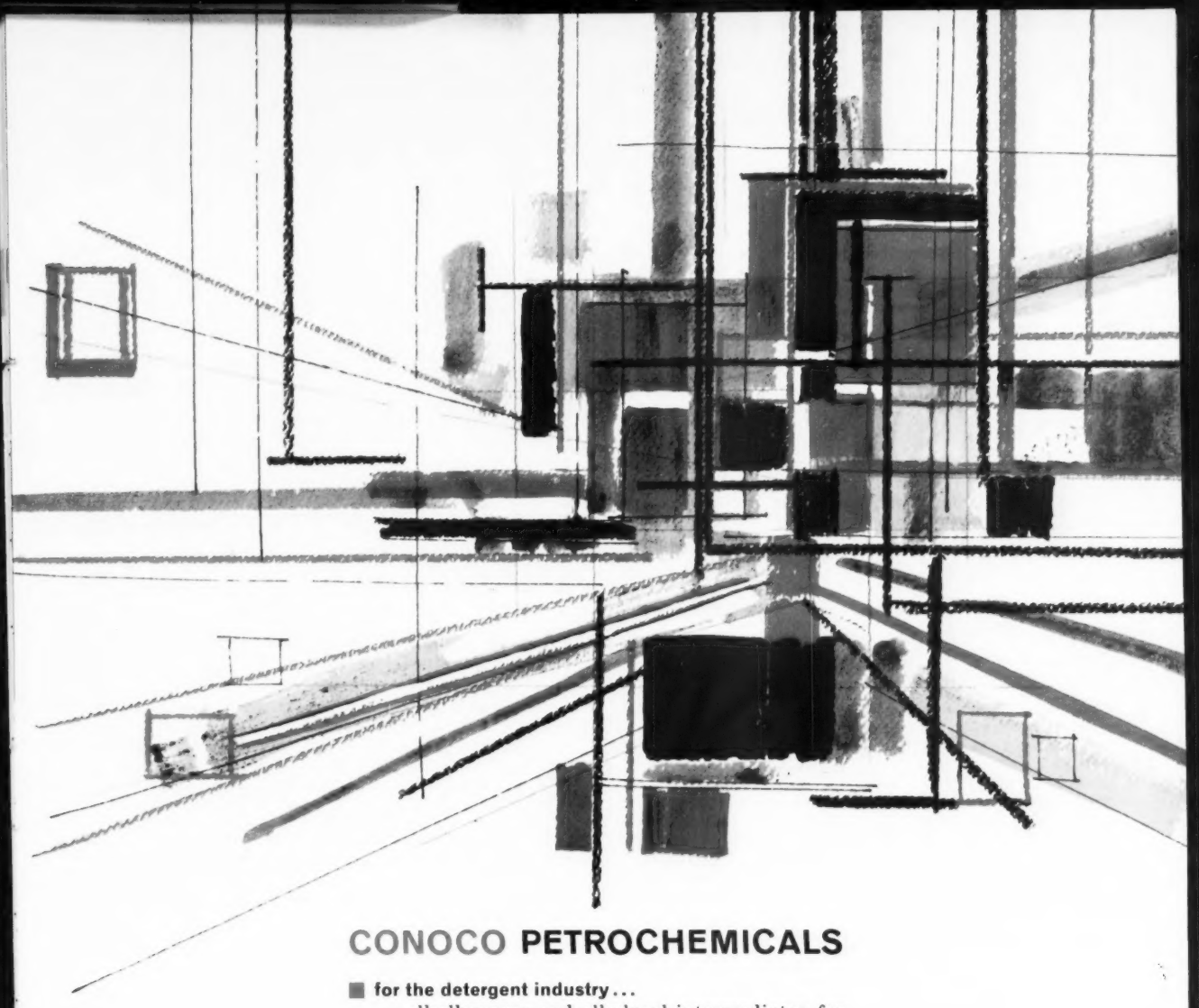
†Denotes development chemicals which are available in experimental quantities.

a–Properties are for the 62% aqueous solution. **b**–Decomposes. **c**–At 25mm Hg. **d**–At 27mm Hg. **e**–Cleveland open cup. **f**–Varies with methanol content (specific gravity is at 18/4°C, weight per gallon at 68°F). **g**–Tag closed cup. **h**–At 25/25°C. **i**–Properties are for 37% aqueous solution. **j**–At 77°F. **k**–At 25/4°C. **m**–At about 5 atm. pressure.

SEE REVERSE FOR CSC NITROPARAFFINS

COMMERCIAL SOLVENTS CORPORATION
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CSC INDUSTRIAL CHEMICALS CSC



CONOCO PETROCHEMICALS

■ **for the detergent industry...**

- alkylbenzene and alkylaryl intermediates for anionic and cationic surface-active agents
- ALFOL straight-chain primary alcohols for anionic, cationic and nonionic surfactants

■ **for the plastics industry...**

- secondary plasticizers
- plastisol viscosity depressant, pigment dispersant and vinyl foam additive
- cyclohexane
- ALFOL straight-chain primary alcohols for manufacturing superior ester plasticizers and mercaptan polymerization regulators

■ **for the lubricating oil industry...**

- synthetic oil-soluble sulfonates for lubricating oil and industrial oil compounders
- straight-chain primary alcohols for ester-type V.I. improvers and oxidation inhibitors

The information presented here is believed to be accurate and reliable. However, no warranty is made or intended. Further, nothing contained herein should be construed as a suggestion to infringe any patented invention.

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CONOCO PETROCHEMICALS FOR THE DETERGENT INDUSTRY

NEOLENE® 400 intermediate is the alkylbenzene chosen by the world's leading manufacturers of liquid and dry anionic detergents for optimum performance in both hard and soft waters. With an apparent molecular weight of 240, this branch-chain alkylate gives the most satisfactory balance of the factors important in the finished product: high detergency, rinseability, wetting and low hygroscopicity.

NEOLENE 400
TYPICAL PHYSICAL PROPERTIES

Specific Gravity at 60°F	0.8690
Apparent Molecular Weight	240
Bromine Number	0.10
Aniline Point	48.5°F
Refractive Index at 68°F	1.4885
Flash Point (C.O.C.)	260°F
Appearance	Water White
Boiling Range	535—603°F

CONOCO DBCL® intermediate reacts with tertiary amines to form cationic surface-active agents called quaternary ammonium salts. Quaternaries are used as the active ingredients in sanitizer preparations, as textile softeners and as antistatic agents for fibers, plastics and paper.

CONOCO DBCL
TYPICAL PHYSICAL PROPERTIES

Specific Gravity at 60°F	0.965
Apparent Molecular Weight	292
Activity	Approx. 95%
Minimum Activity	93%
Flash Point (C.O.C.)	355°F
Viscosity S.U.S. at 100°F	105
Pour Point	Less than —5°C

Other Alkylaryl Type Detergent Intermediates Include:

CONOCO Sulfonic Acids — **Sodium Toluene Sulfonate (Liquid, 40% active)**
CONOCO C-50 Slurry — **Sodium Xylene Sulfonate (Liquid, 40% active)**

ALFOL® alcohols are a homologous series of straight-chain alcohols containing even numbers of carbon atoms. Their molecular weight range includes l-hexanol (ALFOL 6) up through 1-eicosanol (ALFOL 20). For a good many years, alcohols of this type have been known as fatty alcohols because of their derivation from natural fatty acid sources... such as coconut oil and tallow. Conoco's research and development program over the past six years has pioneered their synthetic production from petroleum. For the first time, these alcohols are available from a stable raw material source (ethylene) and are very economical replacements for naturally-derived alcohols. ALFOL alcohols are commercially available as relatively pure (95-98%) individual alcohols and as mixtures of two or more components.

In the detergent industry and for industrial uses where products with good cleaning and/or wetting properties are required, the alcohols of about the C_{10} or C_{12} through C_{18} molecular weight range may be converted to several types of derivatives. Derivatives of straight-chain primary alcohols of the ALFOL type have several distinct advantages over those made from branch-chain primary alcohols or alkyl phenols.

Examples of typical fatty alcohol derivatives appear in the chart below.

ANIONIC DETERGENT DERIVATIVES

$CH_3\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}O\text{-}SO_3^- Na^+$
SODIUM LAURYL ALCOHOL SULFATE

$CH_3\text{-}CH_2\text{-}(CH_2\text{-}CH_2)_4\text{-}CH_2\text{-}CH_2\text{-}O\text{-}CH_2\text{-}CH_2\text{-}(O\text{-}CH_2\text{-}CH_2)_2\text{-}O\text{-}SO_3^- Na^+$
SODIUM LAURYL ETHER SULFATE

CATIONIC DERIVATIVE

$CH_3\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}CH_2\text{-}N^+(CH_3)(CH_3)\,Cl^-$
LAURYL TRIMETHYL AMMONIUM CHLORIDE

NONIONIC DERIVATIVE

$CH_3\text{-}CH_2\text{-}(CH_2\text{-}CH_2)_4\text{-}CH_2\text{-}CH_2\text{-}O\text{-}CH_2\text{-}CH_2\text{-}(O\text{-}CH_2\text{-}CH_2)_6\text{-}O\text{-}CH_2\text{-}CH_2\text{-}OH$
ETHOXYLATED LAURYL ALCOHOL

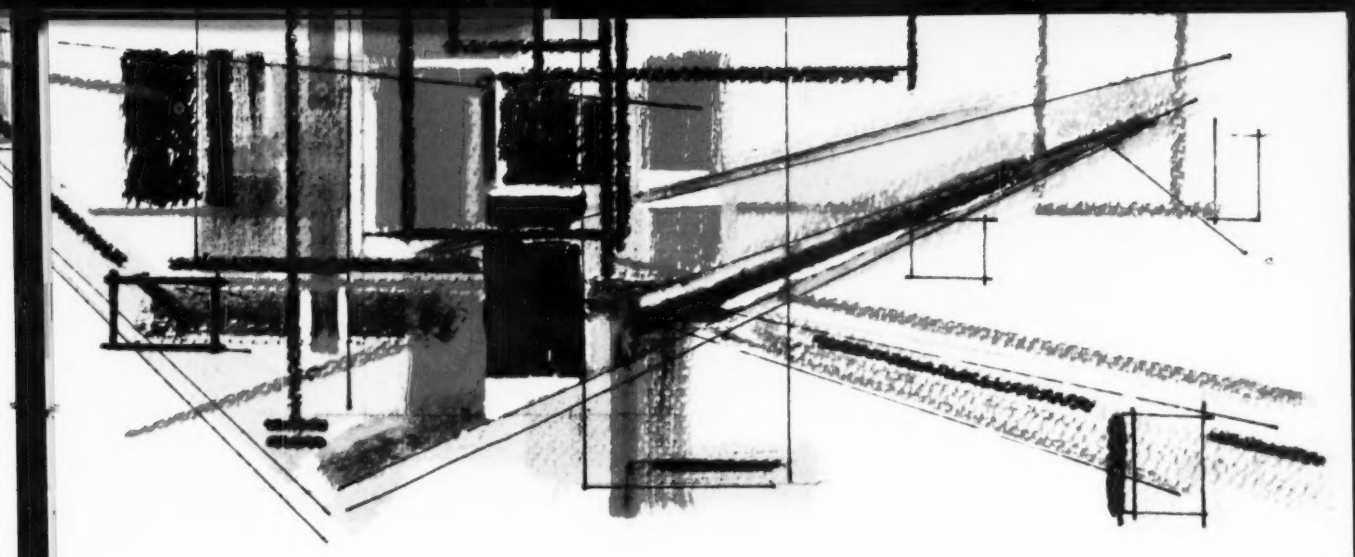
The first material shown on the left is sodium lauryl alcohol sulfate. The same compound results if ALFOL 12 is used instead of the coconut oil derived lauryl alcohol. It is an example of anionic type surface-active compounds made by sulfation of the alcohols, followed by neutralization to form a metallic, ammonium or amine salt. These alcohol sulfates have excellent surface-active properties which vary from the lower to higher molecular weight ends of the series. For example, the C_{12} derivative has good detersive and excellent foaming and wetting properties. Because its calcium and magnesium salts are quite soluble, this C_{12} derivative is unusually stable and effective in hard water. The C_{14} alcohol sulfate appears to be superior in detergent action to the C_{12} as judged by certain tests. Its foam stability and character are also excellent. The C_{16} and C_{18} alcohol sulfates are better detergents for cotton, but are not as good foam producers as the C_{12} and C_{14} alcohol sulfates.

Sodium lauryl ether sulfate is another example of an anionic type active ingredient for detergent formulations. This type material is made from an alcohol and ethylene oxide followed by sulfation and neutralization. The alcohol ether sulfate compounds are exceptionally water-soluble and are gaining interest as detergents with good foaming properties. Because of these and other advantageous characteristics, they are finding application in liquid detergent formulations.

Lauryl trimethyl ammonium chloride shown in the chart is an example of the cationic class. The cationics—also called quaternary ammonium compounds—will kill many types of bacteria. They are therefore used in many sanitizer formulations—even in oil wells to kill certain bacteria which cause plugging of the formation and corrosion of equipment.

Still another class of surface-active materials derived from ALFOL alcohols is illustrated by the ethyoxylated lauryl alcohol shown in the chart. This is representative of the nonionic type surface-active materials. The nonionics are particularly good emulsifiers for oil and water. The water-soluble (oxygen containing) end of the molecule can be sized relative to the oil-soluble end to yield a wide variety of products with different properties, as desired. These materials are used in household products and in many industrial applications...for example, wetting agents, textile processing chemicals, raw wool scouring, demulsifiers for crude oil and many others. Many are compatible with either anionics or cationics and can be used in formulations including one or the other of those types.

For further information concerning any Conoco detergent intermediate, please address your inquiry to Manager, Detergent Sales at the New York address listed on the front cover.



CONOCO PETROCHEMICALS FOR THE PLASTICS INDUSTRY

CONOCO H-35® secondary plasticizer is truly the "extender of profit" for vinyl formulators. Virtually colorless, its unique properties help achieve end products of highest quality. It is the most compatible of our secondaries for a wide range of formulations and gives improved viscosity control in plastisols.

TYPICAL PHYSICAL PROPERTIES

Color	Water White, Slightly Fluorescent
Specific Gravity at 100°F	0.8639
Molecular Weight	278
Viscosity S.U.S. at 100°F	85
Flash Point (C.O.C.)	315°F

CONOCO H-300® secondary plasticizer has long been recognized as a leader in the field of secondaries. Significant economies result from substantial replacement of primary plasticizers in most formulations.

TYPICAL PHYSICAL PROPERTIES

Color	Slightly Off Water White
Specific Gravity at 100°F	0.8639
Molecular Weight	300
Viscosity S.U.S. at 100°F	102
Flash Point (C.O.C.)	305°F

DEMIVIS® additive is a synthetic calcium sulfonate in a medium having plasticizing properties. It is an amber colored, homogeneous liquid having a specific gravity of approximately 0.937 at 60°F. DEMIVIS has important new applications in each of the following areas:

- As an extremely effective plastisol viscosity depressant
- As a pigment dispersant in plastisols
- As a time saver in premixing operations
- In vinyl foam production...used with blowing agents to produce finer, more uniform cell structure

---

CONOCO CYCLOHEXANE is commercially available in purities exceeding 99%. It is used as a starting material in the manufacture of nylon intermediates, such as caprolactum, cyclohexanone and adipic acid. Other applications include its use as a solvent and as a diluent in the manufacture of polyethylene by the low pressure process.

ALFOL 6, ALFOL 8 AND ALFOL 10 normal primary alcohols can be esterified individually or in mixtures to give plasticizers with many advantageous characteristics. Many millions of pounds of C_6 (hexyl), C_8 (octyl) and C_{10} (decyl) alcohols of both straight and branch-chain types are used to make plasticizers principally for polyvinyl chloride plastics. Variations in ester-type plasticizers can be obtained by changing either the alcohol or the acid portion of the ester. For example, the acid portion may be phthalic or maleic anhydride or dibasic acids such as adipic or sebacic. The branched-chain alcohols commonly used are 2-ethyl hexanol from the aldol process and mixed isomers of C_8 and C_{10} primary alcohols from the Oxo process.

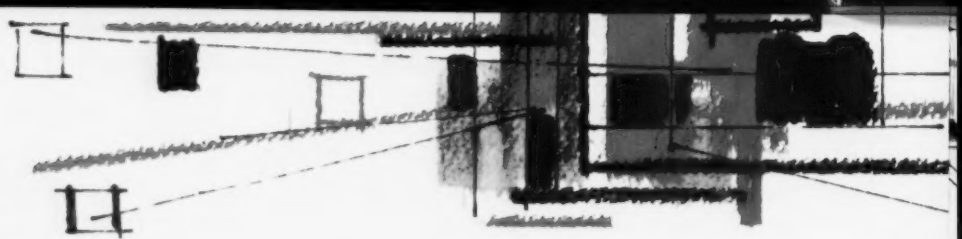
Phthalate esters of straight-chain primary alcohols have several well established advantages over competitive branch-chain materials. (1) They are less volatile. This means that they impart more permanent plasticity to PVC products. (2) They impart better low temperature flexibility. ALFOL alcohol derivatives perform better at both the high and end and the low end of the temperature scale. (3) They reduce plastisol viscosities. This makes plastisol formulations easier to handle both immediately after mixing and when aged.

Some of these improved properties were obtainable only from higher cost plasticizers, before the commercial development of the ALFOL alcohols. For example, polymer types give low volatility, and adipate and sebacate esters are superior to branch-chain DOP in low temperature flexibility.

Straight-chain alcohols are of interest also for other uses in the vinyl plastics industry. Esters of epoxidized fatty acids are gaining acceptance as non-metallic stabilizers. Maleate, acrylate and other unsaturated esters can be co-polymerized with vinyl acetate and other economical monomers to produce internally plasticized resins for paints and other products. The availability of straight-chain alcohols offer stabilizer and co-monomer producers the opportunity to achieve superior properties such as those which are well known in phthalate plasticizers.

Straight-chain dodecyl mercaptan an ALFOL alcohol derivative, is a valuable polymerization regulator used by rubber and plastic manufacturers. Controlling molecular weight in styrene-butadiene synthetic rubber is crucial. Too heavy a polymer cannot be worked easily in subsequent steps; material of too low molecular weight cannot absorb the proper amount of low cost extender oil.

For further information about any Conoco plastic intermediate, please address your inquiry to Manager, Plastic Intermediates Sales at the New York address listed on the front cover.



BRYTON

OIL-SOLUBLE SULFONATES FOR THE LUBRICATING OIL INDUSTRY

Bryton Chemical Company offers the world's most diversified series of oil-soluble sulfonates. Included in Bryton's full line are sodium, barium, calcium, ammonium and magnesium salts and sulfonic acids. The sulfonates are manufactured to give a wide choice of active concentrations and in base numbers *ranging up to 300!*

Years of research and development culminated recently in the commercial production of two 300 base number sulfonates...HYBASE® M-300 magnesium sulfonate and HYBASE C-300 calcium sulfonate. New salts are currently being investigated. These products represent a significant development for oil compounders who face the problem of introducing a high level of metal into their additive formulations to achieve outstanding "reserve alkalinity" action in finished oil blends. HYBASE M-300 is presently used in marine diesel cylinder lubricants for drastic reduction in wear when high-sulfur fuels are used. It is also an effective fuel additive in combating the harmful effects of vanadium contained in many economy fuels.

Sodium salts are generally offered at 62% concentration in mineral oil and are prepared at different molecular weight levels within the range of 430 to 500+. Choice for a given application is dependent on the required balance of hydrophylic versis hydrophobic characteristics. Usually, the lower the molecular weight the more hydrophilic, and the higher, the more hydrophobic. If the application is emulsification, lower or middle-range molecular weight products are best suited. For rust preventives and oil-system dispersancy, the higher molecular weights are preferable.

Calcium and barium sulfonates are primarily hydrophobic and are offered as either neutral or alkaline.

BRYTON® Ammonium Sulfonate 35-K is prepared as a 35% solution in kerosene, and is of interest to those seeking an ashless sulfonate.

BRYTON 76 is the only water-soluble sulfonate offered. It is 38% active diluted in isopropanol and water.

Sulfonic acids are available in two grades for those manufacturers who desire an intermediate.

A new line of synthetic fatty alcohols is now available to the lubricating oil industry. Trade-named ALFOL, this series of straight-chain primary alcohols with even numbers of carbon atoms from six through eighteen will relieve many products from dependence on fat and oil-derived materials. For example, in lubricating oils, poly-methacrylate ester type viscosity index improves and pour point depressants are well known. ALFOL alcohols can also be used in oxidation inhibitors of the zinc dithiophosphate type. Straight-chain alcohols provide esters with maximum compatibility for a given molecular weight as well as a high degree of stability.

BRYTON CHEMICAL COMPANY
1270 Avenue of the Americas, New York 20, N.Y.

Typical Analyses—BRYTON COMMERCIAL SULFONATES AND SULFONIC ACIDS

		MOLECULAR WEIGHT (1)	SULFONATE WT. % ACTIVE	WT. % OIL	WT. % WATER	WT. % INORGANIC SALT	ALKALINITY (2)
SODIUM SULFONATES	BRYTON 430 (3)	430	62	32.7	4.5	0.7	0.1
	BRYTON 445 (3)	445	62	32.7	4.5	0.7	0.1
	BRYTON F (3)	465	62	32.7	4.5	0.7	0.1
	BRYTON T (3)	500+	62	32.7	4.5	0.7	0.1
	BRYTON HY	470	62	33.8	3.5	0.7	0.04
	BRYTON BOSS 470	470	70	17.2	12.0	0.8	0.04
	BRYTON H-70	460	70	25.5	4.0	0.5	0.04
	*BRYTON 76	400	38	3.0	32.0	2.0	—
BARIUM SULFONATES	HYBASE Barium Sulfonate	1010	47	42	0.4	—	65 (Base No.)
	Barium Sulfonate 30-N	1010	30	68.4	0.2	—	8 (Base No.)
CALCIUM SULFONATES	Calcium Sulfonate 30-A	900	30	69.0	0.2	—	15 (Base No.)
	Calcium Sulfonate 45	900	45	53.3	0.2	—	21 (Base No.)
	HYBASE C-300	940	30	43.5	0.5	—	300 (Base No.)
MAGNESIUM SULFONATE	HYBASE M-300	920	30	47	0.5	—	300 (Base No.)
ASHLESS SULFONATE	Ammonium Sulfonate 35-K	455	35	64**	1.0	Nil	Trace
						% SULFURIC ACID	
SULFONIC ACIDS	Sulfonic Acid 45	440	45	46	3.0	6.0	—
	Sulfonic Acid 45-K	440	45	49**	3.0	3.0	—

(1) Pertains to the sulfonate portion of the products.
(2) Expressed as percent Na_2CO_3 for natural sulfonates and percent NaOH for synthetic sulfonates.
(3) Natural sulfonates. All other products are synthetic sulfonates. *In Isopropanol, 25% by weight. **Kerosene.

For your convenience...

DU PONT
REG. U. S. PAT. OFF.

PRODUCT INFORMATION GUIDE

How to get prompt information about any Du Pont product

CONTENTS

pages 2 & 3 . . . . How to use this Guide and get information about any Du Pont product.

Listings of major products from the:

pages 4, 5, 6 . . . . . Electrochemicals Department

page 7 . . . . . Explosives Department (Chemical Products Sales Division)

pages 8, 9 . . . . Industrial & Biochemicals Department (Industrial Chemicals Division)

page 10 . . . . . Organic Chemicals Department ("Freon" Products Division)

page 11 . . . . . Pigments Department

page 12 . . . . . District office addresses

Product information specialists are located in nine Du Pont offices throughout the nation. When you telephone and are uncertain about a Du Pont product name, a product use or where to get product assistance, they can promptly connect you with the right person. (Phone numbers on pages 2 & 3.)



HOW TO USE THIS GUIDE

When you want more information about the products listed

Always call the Du Pont department identified as the supplier. For example, if you require prompt information about the products listed on the following pages telephone the number listed alongside of that department's name in the chart below. Call the location nearest you. If your city is not shown check the yellow pages of your local telephone directory. Look for Du Pont under CHEMICALS.

USE THIS REFERENCE CHART FOR PROMPT

	ATLANTA, GEORGIA	BOSTON, MASS.	CHARLOTTE, N. CAROLINA	CHICAGO, ILLINOIS	CINCINNATI, OHIO	CLEVELAND, OHIO	DALLAS, TEXAS	DETROIT, MICHIGAN	HOUSTON, TEXAS
GENERAL PRODUCT INFORMATION	TRinity 5-5391	TWinbrook 9-8300 *P. I. Center	375-5561	ANdover 3-7000 *P. I. Center	PArkway 1-5253	MAin 1-8516	FLeetwood 7-4611	TRinity 5-1990	CApital 5-0258
ELASTOMERS DEPARTMENT		HAncock 6-1719		ANdover 3-7000					MOhawk 7-7429
ELECTROCHEMICALS DEPARTMENT		TWinbrook 9-8300	375-5561	INdependence 3-7250	PArkway 1-5253	LOngacre 1-1580	MElrose 1-4140	UNiversity 4-1963	
EXPLOSIVES DEPARTMENT		HAncock 6-1724	375-5561	ORchard 5-1010		LOngacre 1-5070			MOhawk 7-9197
FABRICS & FINISHES DEPARTMENT	SYcamore 4-9581	TWinbrook 9-8300	376-6477	INdependence 3-7250 ORchard 5-1010	UNiversity 1-3414	MAin 1-8516	FLeetwood 7-4611	UNiversity 4-1963 TRinity 5-1990	WAlnut 3-2546
FILM DEPARTMENT	TRinity 2-5828	TWinbrook 9-8300 REgent 4-4240		ANdover 3-7000		EDison 3-1424			
INDUSTRIAL & BIOCHEMICALS DEPARTMENT	TRinity 6-1586	TWinbrook 9-8300		CLiffside 4-7676 BIshop 2-2658	CHerry 1-4570	SKyline 2-7100		UNiversity 4-1963	MOhawk 6-0251
ORGANIC CHEMICALS DEPARTMENT	TRinity 5-5391		375-5561	ANdover 3-7000 RAndolph 6-8630					CApital 5-1151
PHOTO PRODUCTS DEPARTMENT	SYcamore 4-9581	Twinbrook 9-8300		ORchard 5-5500		EDison 1-0375	RIverside 1-1404		
PIGMENTS DEPARTMENT	JAckson 5-4557	DAvenport 2-8080		ANdover 3-7000	AVon 1-2343	LOngacre 1-1060		UNiversity 4-1963	MOhawk 6-0161
POLYCHEMICALS DEPARTMENT		HAncock 6-1711		INdependence 3-7250				UNiversity 4-1963	
TEXTILE FIBERS DEPARTMENT			375-5561						

When you are uncertain which department to call

The colored bar in the chart below lists the phone numbers of Du Pont's Product Information Centers* located in major cities across the nation. They have complete reference information on all Du Pont products and can refer you directly to the right person in the right Du Pont department. Call the location nearest you. If your city is not shown check the yellow pages of your local telephone directory. Look for Du Pont under CHEMICALS.

When you call Du Pont, every practical effort is made to provide you with a prompt, informative answer. You can help the product information specialists help you by being as specific as you can about your product interest, its name and use.

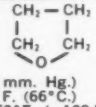
A Du Pont Product Information Center is your direct line to each of Du Pont's industrial departments. Whenever you have occasion to use it we hope it serves you promptly and efficiently. We invite your comments and suggestions.

INFORMATION ABOUT ANY DU PONT PRODUCT

LOS ANGELES, CALIF.	NEW YORK, N. Y.	PALO ALTO, CALIF.	PASADENA, CALIF.	PHILADELPHIA, PENNA.	PITTSBURGH, PENNA.	SAN FRANCISCO, CALIF.	ST. LOUIS, MO.	SEATTLE, WASH.	WILMINGTON, DELAWARE
HOllywood 9-6375 *P. I. Center	LOngacre 3-6400 *P. I. Center	OXford 7-3870 (Burlingame) *P. I. Center	HOllywood 9-6375 *P. I. Center	WAlnut 3-2493 *P. I. Center	GRant 1-5427	OXford 7-3870 (Burlingame) *P. I. Center	PArkview 6-1400	MAin 3-8830	PRospect 4-2421 *P. I. Center
LUdlow 2-6464	WAlker 5-3290								PRospect 4-2852
CUmberland 3-2761	LOngacre 3-6440			TRinity 8-2700		JUniper 6-5141			PRospect 4-4868
LUdlow 2-6464	LOngacre 3-6400				ATlantic 1-7777			MAin 3-8830	PRospect 4-3308
RAymond 3-8401	STillwell 6-0200 (Long Island City)			TRinity 8-2700	WAlnut 1-9190	OXford 7-3870 (Burlingame)	MIssion 7-0800	MAin 2-4165	PRospect 4-3627 4-4042
LUdlow 2-7361	LOngacre 3-6400			KIngsley 5-4050		OXford 7-1520 (Burlingame)			PRospect 4-2536 4-6006
	LOngacre 3-6400	DAvenport 6-6044		TRinity 8-2700	GRant 1-5427		PArkview 6-1400		PRospect 4-6171
MAdison 4-1354	COlumbus 5-2342	DAvenport 6-2840		KIngsley 5-1950 LOcust 8-3531	ATlantic 1-2933	EXbrook 2-1934		MElrose 2-6977	PRospect 4-6611 4-4818 4-2730
HOllywood 9-5147	WAtkins 4-3100			TRinity 8-2700					PRospect 4-3533
	LOngacre 3-6400		MUrray 1-7431	LOcust 3-2080		JUniper 5-9231			PRospect 4-5228
LUdlow 2-6464	LOngacre 3-6400—3-3600			KIngsley 6-4600					PRospect 4-3754
	LOngacre 3-6400			TRinity 8-2700					WYman 9-2753

ELECTROCHEMICALS DEPARTMENT

The broad range of products offered by the Electrochemicals Department includes: Acrylic Resins; Ceramic & Glass Colors; Chlorinated Solvents; Cyanides; Drycleaning Fluids; Electronic Specialties; Electroplating Chemicals; Methacrylate Monomers; Peroxide Bleaching Agents; Sodium; THF—Tetrahydrofuran; Vinyl Acetates, Emulsions, Resins and Co-Polymers

PRODUCT & SHIPPING INFORMATION	DESCRIPTION	MAJOR USES
CHLORINATED HYDROCARBONS **Chloroform** Grades: Hydrocarbon Stabilized Grade Ethanol Stabilized Grade Available in: Drums ..... 55 gal. (660 lb.) Tank Cars	Trichloromethane $CHCl_3$ Boiling Range: 140.7°-142.5°F. (60.4°-61.4°C.) Wt. per gal.: 12.43 lb. @ 20°C. Boiling Range: (20th drop) 139.1°F. (59.5°C.) min.; 95% 142.7°F. (61.5°C.) max. Weight per gal.: 12.375 lb. @ 20°C.	As a solvent for fats, oils and other organic compounds; for spotting textiles; as a freezing-point depressant for fire extinguisher fluids; in the manufacture of dyes and chemicals. As a solvent for fats, oils and other organic compounds; in the manufacture of chemicals, dyes and pharmaceuticals.
Methyl Chloride Grades: Refrigeration Grade (Methyl Chloride) Trade name: Artic® Methyl Chloride Technical Grade Available in: Cylinders ..... 100 lb. Multiunit tank cars of 15 (1,300 lb. ea.) tanks Single unit tank cars (technical grade only)	Chloromethane, Monochloromethane CH_3Cl Boiling Range: (95%) −12.3° to −10°F. (−24.6° to −23.6°C.) Weight per gal.: 7.68 lb. @ 20°C.	As a refrigerant; as a fluid for thermometric and thermostatic equipment. As a methylating agent in organic synthesis; as a low temperature solvent; as a solvent and propellant in aerosols.
Methylene Chloride Grades: Refrigeration Available in: Drums ..... 55 gal. (600 lb.) Tank trucks Tank cars	Dichloromethane, Methylene Dichloride—CH_2Cl_2 Boiling Range: 103.1°-104.5°F. (39.5°-40.3°C.) Wt. per gal.: 11.07 lb. @ 20°C.	As a refrigerant in centrifugal compressors; for chemical synthesis, as a low-temperature, heat-transfer liquid; as a paint remover; as a cold cleaner; as a solvent for animal and vegetable oil extraction; as a solvent in aerosols; for dewaxing of lubricating oils; and as a solvent for cellulose acetates.
Perchlorethylene Trade name: Perclene® Perchlorethylene Grades: Technical Grade Drycleaning Grade Available in: Drums ..... 55 gal. (700 lb.) Tank trucks Tank cars	Tetrachloroethylene C_2Cl_4 Boiling Range: 248.9°-251.6°F. (120.5°-122.0°C.) Wt. per gal.: 13.55 lb. @ 20°C.	As a spotting and drycleaning fluid; for textile cleaning; as a vapor degreasing solvent, cold cleaner, drying agent for metals and other solids; vermifuge; as a solvent for rubber, waxes, tar, paraffin and gums; as a heat transfer medium; as a reaction solvent and chemical intermediate.
Trichlorethylene Grades: Technical Grade Trade name: Triclene® Trichlorethylene Extraction Grade (Also available in Metal Degreasing and Paint Grades) Available in: Drums ..... 55 gal. (660 lb.) Tank trucks Tank cars	C_2HCl_3 Boiling Range: 187.9°-190.4°F. (86.6°-88.0°C.) Wt. per gal.: 12.19 lb. @ 20°C. Boiling Range: 187.7°-189.5°F. (86.5°-87.5°C.) Wt. per gal.: 12.23 lb. @ 20°C.	Drycleaning and spotting fluid; textile cleaning; solvent for adhesives and waxes; asphaltic paint remover; for coating paper; organic reagent. Extraction solvent for many waxes, resins and alkaloids.
FURAN PRODUCTS **Tetrahydrofuran—THF** Available in: Containers ..... 1 gal. (7 lb.) Drums ..... 5 gal. (35 lb.) Drums ..... 55 gal. (400 lb.) Tank trucks Tank cars	Structural Formula:  Boiling Point: (760 mm. Hg.) 151° F. (66°C.) Freezing Point: −163°F. (−108.5°C.) Specific Gravity: 20°/4°C. ..... 0.888 Weight: approx. 7.4 lb./gal. @ 20°C. Flash Point: (Tag closed cup) 6°F. (−14.5°C.)	High solvency for synthetic polymers, natural resins, and organometallic compounds. Excellent solvent for high molecular weight PVC resins and vinylidene chloride copolymers used for topcoating vinyl fabric and sheeting, coating cellophane, protective coatings, vinyl adhesives, printing inks and film casting. Unique solvent for hydride reductions, hydrogenations, stereospecific polymerization, condensations, esterifications, and Grignard reactions. Chemical intermediate for reactions with ammonia, amines, sulfur compounds, the halogens and other reagents. Promising monomer or co-monomer for polymerization reactions.
Furan Available in: Containers ..... 1 gal. (7 lb.) Drums ..... 35 lb. Drums ..... 400 lb. Tank cars	Structural Formula:  Boiling Point: 88°F. (31°C.) Freezing Point: −122.2°F. (−85.68°C.) Specific Gravity: 20°/4°C. ..... 0.937 Weight: at 20°C. 7.8 lbs. Flash Point: (Tag closed cup) −32°F. (−35.6°C.)	Furan's conjugated double bonds and five membered ring structure impart considerable stability of the type associated with aromatic compounds. Furan is highly reactive, however, and both substitution and addition reactions can be effected. Furan finds use as a chemical intermediate in the manufacture of pharmaceutical, agricultural and other industrial products.
ELECTROPLATING PRODUCTS **Potassium Cyanide** Available in: Metal drums ..... 100 lb.	KCN White granular salt Potassium cyanide min. 98%	In cyanide silver and copper electroplating.
Copper Cyanide Available in: Fiber drums ..... 100 lb.	CuCN Creamy white powder Copper content min. ..... 70% Cyanogen content min. 28.5%	In cyanide copper and brass electroplating solutions.
Zinc Cyanide Available in: Fiber drums ..... 100 lb.	$Zn(CN)_2$ White Powder Zinc content min. ..... 55% Cyanogen content min. 40%	In cyanide zinc and brass electroplating solutions.

Products for research chemists: *TETRAHYDROFURAN (THF), described on page 4, is a unique solvent that can direct new reactions, increase yields and reaction rates. "ALBONE" hydrogen peroxide, described below, can be used profitably in organic reactions. Water, a product of the oxidation, is easily removed and results in less contamination from objectional by-products. Literature and assistance available.*

ELECTROCHEMICALS DEPARTMENT

PRODUCT & SHIPPING INFORMATION	DESCRIPTION	MAJOR USES
ELECTROPLATING PRODUCTS (Cont.) **Sodium-Copper Cyanide** **Double Salt** Available in: Fiber drums .....100 lb.	White Crystalline salt Copper content min. 28.7%	A balanced composition that simplifies bath make-up and replenishment in cyanide copper electroplating solutions.
Potassium-Copper Cyanide **Double Salt** Available in: Fiber drums .....100 lb.	White Crystalline salt Copper content min. 25.8%	A balanced composition that simplifies bath make-up and replenishment in cyanide copper electroplating solutions.
Copper Plating Brighteners and Addition Agents Available in: Various package sizes	Liquids and Powders	Brighteners and addition agents for cyanide copper electroplating solutions.
Zinc Plating Brighteners Trade names: Zinolyte® Brightener and Durobrite® Addition Agent Available in: Various package sizes	Liquids and Powders	Brightening agents for cyanide zinc electroplating solutions.
SODIUM PRODUCTS **Sodium** Available in: Steel Barrels .....290 lb. Metal Drums .....420 lb. Tank Cars (10 M gal.) .....80M lb.	Na A silvery white, soft and ductile metal.	Chemical and drug manufacture; metal descaling, heat transfer medium; reduction of metal salts.
Sodium Cyanide Trade names: Cyanobrik® Sodium Cyanide briquettes Cyanogran M® Sodium Cyanide granular form Available in: Drums .....200 lb.	NaCN White Crystalline salt Sodium Cyanide min. 97%	Chemical and drug manufacture; electroplating; heat treating of steel; ore flotation and extraction of gold and silver from ores.
Hydrogen Cyanide Available in: Tank cars (5 M gal.) .....30M lb.	HCN Clear, colorless liquid. B.P. 78.3°F. (25.7°C.) Hydrogen Cyanide min. 99.5%	Liquid Hydrogen Cyanide is the most economical form of Cyanide needed in the production of Organic Nitriles, Plastics and Finishes, Sequestering Agents and many other chemical and drug products.
PEROXYGEN PRODUCTS **Hydrogen Peroxide** Trade names: Albone® hydrogen peroxide "Perone" hydrogen peroxide Available in: Aluminum drums—Returnable 27½ gallons each Polyethylene drums—Non-returnable—15 gallons each (for some grades) Tank Trucks (in Eastern and Southeastern USA)—2500 and 3500 gallons Tank Cars—4000, 6000 and 8000 gallons Grades:	H_2O_2 Clear, colorless liquid, miscible in all proportions with water; liberates oxygen when decomposed.	TEXTILES—bleaching of cotton piece goods, knit goods, yarn and raw stock, wool, silk, rayon and synthetic fibers and blends of synthetic fibers with cotton; oxidation of dyestuffs; after treatment of resin-treated fabrics. PULP & PAPER—bleaching of ground-wood, cold soda semi-chemical, chemical and recovered pulp; bleaching of cotton linters. CHEMICAL—epoxidation and hydroxylation reactions; polymerization catalyst for unsaturated monomers; viscosity control agent for starch and cellulose derivatives; general oxidation reactions. MISCELLANEOUS—as a gasifying agent for manufacture of materials such as foam rubber; in electroplating.
Albone® 35 hydrogen peroxide	H_2O_2 Content By Wt. 35%	Active Oxygen Content By Wt. 16.4%	Wt. per Gallon 20°C. 9.44	
Albone® 50 hydrogen peroxide	50%	23.5%	9.98	
Albone® 70 hydrogen peroxide	70%	33%	10.7	CHEMICAL—Organic synthesis where low water content is required.
Albone® 90 hydrogen peroxide	90%	42.4%	11.6	CHEMICAL—special organic syntheses. PROPELLANT—as a monopropellant and fuel oxidizer.
"Perone" 30 hydrogen peroxide (Electronics Grade)	30%	14.2% Meets A.C.S. Specs.	9.25	ELECTRONICS—ultra high purity grade for use in etching electronic components.
"Perone" 35 hydrogen peroxide	35%	16.4%	9.44	SPECIALTIES—specialty uses requiring exceptionally high purity; for approved uses in food processing.
"Perone" 50 hydrogen peroxide	50%	23.5%	9.98	

ELECTROCHEMICALS DEPARTMENT

New Polymer Products: *ELVAX® vinyl resins, described below, are unlike any resins on the market today. They are completely compatible with paraffin wax in all proportions and improve the overall performance of wax in coatings and laminates. They are also highly compatible with resins, rosins and rosin derivatives . . . possess many unique properties that have application in practically every industry. Write for literature.*

PRODUCT & SHIPPING INFORMATION	DESCRIPTION	MAJOR USES
PEROXYGEN PRODUCTS (Cont.) **Sodium Peroxide** Trade name: Solozone® sodium peroxide Available in: Steel pails . . . . . 75 lbs. net Steel drums . . . . . 400 lbs. net	(Na_2O_2) Pale yellow beadlike particles Na_2O_2 Content (Min.): 96% Active Oxygen Content By Wt.: 19.7% Approximate Bulk Density: 95 lbs./cu. ft.	TEXTILES—bleaching of cotton piece goods, knit goods, yarn and raw stock. PULP & PAPER—bleaching of ground-wood, chemical, cold soda semi-chemical and recovered pulp; bleaching of cotton linters. CHEMICAL—manufacture of inorganic and organic peroxides; general oxidizing agent; purification of metal salts.
Sodium Perborate Tetrahydrate Available in: Paper bags . . . . . 100 lbs. net Fiber drums . . . . . 250 lbs. net	($NaBO_3 \cdot 4H_2O$) White crystals $NaBO_3 \cdot 4H_2O_2$ Content (Min.): 96.2% Active Oxygen Content: 10.0% Bulk Density: 43-54 lbs./cu. ft.	TEXTILES—oxidizing agent for vat dyes; after treatment of resin treated fabrics; bleaching textiles; assistant to textile detergents. PHARMACEUTICAL—constituent of dentifrices and pharmaceuticals. CHEMICAL SPECIALTIES—ingredient in dry laundry bleaches and plastic dishware stain removers. CHEMICAL—polymerization catalyst.
Sodium Borate Perhydrate Trade name: Perdox® sodium borate perhydrate Available in: Fiber drums . . . . . 125 lbs. net	($NaBO_3 \cdot H_2O$) White Powder Active Oxygen Content (Min.): 15.5% Approximate Bulk Density: 27 lbs./cu. ft.	TEXTILES—oxidizing agent for vat dyes; after treatment of resin treated fabrics; bleaching textiles; assistant to textile detergents. CHEMICAL SPECIALTIES — general oxidizing reactions; stain remover for plastic dishes. PHARMACEUTICAL—preparation of dentifrices and hair wave neutralizers; bleaching.
Monopersulfate Compound Trade name: Oxone® monopersulfate compound Available in: Paper bags . . . . . 50 lbs. net	An acid white granular solid. Active ingredient—potassium peroxymonosulfate $KHSO_5$ Content: 42.8% Active Oxygen (Min.): 4.5% Bulk Density: 75-80 lbs./cu. ft.	CHEMICAL SPECIALTIES—for manufacture of dry laundry bleaches; detergent bleach compounds; scouring powders, plastic dishware cleaners. CHEMICAL—general oxidizing reactions.
POLYMER PRODUCTS **Acrylic Resins** Trade name: Lucite® acrylic resins Available in: Fiber Drums . . . . . 25 to 250 lbs.	($CH_2C[CH_3]COOR)X$ Water-white, transparent thermoplastic resins in granular form. Densities range from 1.19 to 1.05, depending on polymer composition. Acrylic polymer produced from the methacrylate esters below.	Ingredient in lacquers, protective coatings and printing inks; modifier for vinyl resins in top-coating lacquers and paints: fabric coatings; hot melt adhesives.
Methacrylate Monomers Grades: Methyl, ethyl, n-butyl, and iso-butyl esters; also methacrylic acid Available in: Cans . . . . . 5 gal. Drums . . . . . 55 gal. Tank Trucks . . . . . 3500 gal. Tank Cars . . . . . 8000 gal.	$CH_2C(CH_3)COOR$ Water-white, mobile, volatile liquids containing less than 0.03% polymerization inhibitor.	Used in manufacture of acrylic polymers and latices for paints and protective finishes; chemical intermediates.
Nylon Resin Trade name: Zytel® 61 nylon resin Available in: Multiwall Paper Bags . . . . . 50 lbs. net	Alcohol soluble polyamide Light cream-colored opalescent ⅛" cubes. Sp. gr. 1.12; flow temp. 309°F.; cold crack temp. 22°F.; soluble in lower aliphatic alcohols, alcohol-water mixtures, phenols, benzyl and furfuryl alcohol. Insoluble in hydrocarbons, ketones and esters.	Component of high-strength metal, fabric, wood, and glass adhesives; protective coatings for thread, electrical cables, textiles, leather, fuel tanks and hydraulic fluid systems.
Polyvinyl Acetate Emulsion Trade name: Elvacet® polyvinyl acetate emulsion Available in: Steel pails . . . . . 45 lbs. Steel drums . . . . . 500 lbs. Fiber drums . . . . . 500 lbs. Tank trucks . . . . . 19,000 to 32,000 lbs. Tank cars . . . . . 37,000 and 75,000 lbs.	Available in 7 grades. Possess the desirable properties of high solids content at workable viscosity from a water medium.	Paint vehicles; adhesive base materials for cellophane, wood, paper, cloth, ceramics, leather, cork and metals; binders for non-woven fabrics, textile finishes; paper coatings for greaseproofing and heat-sealing.
Polyvinyl Alcohol Trade name: Elvanol® polyvinyl alcohol Available in: Fiber cartons . . . . . 10 and 25 lbs. Multiwall bags . . . . . 50 lbs. (Unitized shipments available on non-returnable pallets for orders of 2000 lbs. or more.)	Available in 8 grades covering various degrees of hydrolysis; in three viscosities (high, medium, and low). pH . . . . . 6-8 Density at 20°C. 1.21-1.31	Adhesives for paper, films, fabrics; non-woven fabric binder; textile warp size; size for nylon and rayon knitting yarns; pigmented paper coating binder; greaseproofing paper; paper size; top size on paperboard for high-gloss printing; wet strength paper laminating adhesive; emulsifier, stabilizer for emulsion polymerization; pigment binder; chemical intermediate; film.
Vinyl Acetate Monomer Available in: Steel drums . . . . . 375 lbs. Tank cars . . . . . 8,000 & 10,000 gal. Tank trucks . . . . . 4,000 gal.	A flammable, volatile, highly reactive liquid with a pleasant odor. As shipped, it is stabilized with hydroquinone, phenothiazine, BHA or MEH. Boiling range: 72.3°-73.0°C. (162.1-163.4°F.) Sp. Gr. 0.9335-0.9345	An extremely pure monomer for polymerization or copolymerization reactions employing suspension, emulsion, or solution techniques; chemical intermediate.
Vinyl Resin Trade name: Elvax® vinyl resin Commercially available in: Multiwall bags . . . . . 50 lbs.	(Ethylene vinyl acetate) Available in 3 grades, having different molecular weights and vinyl acetate contents. Readily soluble in waxes, various low molecular weight resins, and rosin esters. Inherent viscosities (@ 30°C., 0.25% in toluene) . . . . . 0.78-0.85 cp. Density @ 30°C. . . . . 0.95 Extensibility at break . . . . . 700% Tensile strength . . . . . 1000-2000 psi Refractive index $N\frac{25}{D}$ . . . . . 1.483 Melt index 15-25	As a wax additive, improves toughness, reduces flaking, improves heat-seal bond strength; Elvax® wax coatings used for improved wax overwrap and tough heat-sealable, sheet-waxed carton-board which retains low moisture transmission even after creasing. In laminating formulations for paper to paper and paper to cellophane, polyethylene, polystyrene, Mylar® polyester film or other plastic films, and to metal foils; as a base for hot-melt adhesives; as a low dielectric component in potting compounds.

Ammonium nitrate, nitric and sulfuric acids, "Unicel" and "Nitrosan" blowing agents for rubber and plastic foams. Dimethyl terephthalate, terephthalic acid, and caprolactam polymer intermediates for plastics and synthetic fibers. Aniline, diphenylamine, nitrobenzene, and sodium nitrite for inhibitors and dyes. Nitrocellulose and cellulose acetate for films, lacquers, and plastics. "Hitec" heat transfer salt. Sodium CMC additive to foods, detergents, pharmaceuticals, cosmetics, and drilling muds.

EXPLOSIVES DEPARTMENT
(CHEMICAL PRODUCTS SALES DIVISION)

PRODUCT & SHIPPING INFORMATION	DESCRIPTION	MAJOR USES
Aniline—shipped in 450 lb. net steel drums, tank cars and tank trucks.	Minimum purity—99.8%.	Variety of uses in rubber, pharmaceutical, dyestuff, photographic and other industries.
ε-Caprolactam monomer supplied in two forms: molten in specially designed railroad tank cars; or, flaked in 55 lb. bags.	A high quality, polymer grade material with exceptionally low moisture content.	Used primarily in the manufacture of polyamide fibers and plastics and as an intermediate in organic syntheses.
Cellulose Acetate—50 lb. net multi-wall paper bags.	Secondary cellulose acetate in flake or powdered form.	Plastic sheets, rods, tubes, and molding powder, photographic film, lacquers, fabric coatings.
Qualex® refined Sodium Carboxymethylcellulose. Supplied in multi-ply moisture resistant 50 lb. bags.	Available in high and low viscosity.	A special grade of Sodium CMC developed for use as fluid loss and viscosity control additive in oil well drilling muds.
Sodium CMC (Sodium Carboxymethylcelluose) —multi-ply moisture-resistant 50 lb. and 75 lb. bags, 51 gal. fiber drums.	Available in technical and refined grades in a wide range of viscosity types and degree of substitution levels.	Soil suspension in detergents, fluid loss control in oil well drilling muds, strength improvement in surface coating paper products, textile warp size, as a thickening and stabilizing agent in foodstuffs, pharmaceuticals and cosmetics.
Dimethyl Terephthalate supplied as easy-to-handle briquettes in 350, 50 and 10 lb. fiber drums or 50 lb. multi-ply paper bags.	99.9% pure. High melting point—140.6°C. High boiling point—288°C., 760 mm.	Uses include manufacture of polyethylene terephthalate polyesters, wire enamels, and various modified resins.
Diphenylamine—available in 50 and 100 lb. paper bags, tank cars and tank trucks.	High quality, low cost aromatic secondary amine. Minimum freezing point, 52.5°C. Flaked, solid or molten.	Petroleum and rubber antioxidants, anthelmintics, antioxidant and stabilizer for fats, oils, soap, paint, printing ink and pharmaceuticals.
Hitec® (Heat Transfer Salt)—150 lb. and 400 lb. net fiber drums.	A eutectic mixture comprised of sodium nitrite, sodium nitrate, and potassium nitrate.	Heat transfer medium for both heating and cooling operations in the range of 300-1000°F.
Nitric Acid—shipped in bulk in tank cars and tank trucks.	Any strength. Uniform high quality.	Metallurgy, manufacture of dyes and dye intermediates, etching agent for photoengravers, plastic and synthetic fiber manufacture, manufacture of explosives, general oxidation purposes.
Nitrobenzene — shipped in 500 lb. net steel drums, tank cars and tank trucks.	Minimum Purity 99.8%.	Intermediate in manufacture of aniline, azobenzene, rubber chemicals and organic intermediates.
Nitrocellulose — shipped in returnable metal drums. Weights vary with type.	Soluble types of cellulose nitrate with variable nitrogen content, wide range of viscosities. Available wet with butyl, ethyl or isopropyl alcohol or water.	Excellent film forming material for use in lacquers and other types of finishes; coating for cellophane, paper, fabrics, and component for adhesives.
Nitrosan® (Blowing Agent)—5 lb. fiber drums.	Non-staining, non-discoloring, gas generant.	Low temperature blowing agent for formation of open- or closed-cell polyvinyl chloride foam. May also be used with other plastics and elastomers.
Sodium Nitrite U.S.P. — 100 lb. net multi-ply bags, 100 lb. and 400 lb. fiber drums.	Available as a granular or pelleted solid, 99.5% minimum purity.	Diazotization agent, corrosion inhibitor, chemical intermediate, color fixation agent and preservative for certain fish and meats, heat transfer medium.
Terephthalic Acid—supplied as light yellow solid in 325, 100, and 10 lb. fiber drums.	Technical grade — 97+% pure. Melting point approximately 425°C. Thermally stable.	A chemically reactive, di-basic acid with many uses in synthesis of resins and plasticizers.
"Unicel" ND (Blowing Agent)—100 lb. net fiber drums.	Gas generant.	For incorporation in elastomers or resins in forming cellular materials in a wide range of densities.

PARTIAL INDEX OF INDUSTRIAL CHEMICALS

INDUSTRIAL AND BIOCHEMICALS DEPARTMENT

This vital new industrial chemicals sales organization, *old in experience, is dedicated to the total concept of customer service . . . products, packaging, problem solving, delivery, inventory, materials handling . . .*

The product lines of I & B are broad in scope—the "basic building blocks", bulk acids, solvents, ammonia derivatives, reagents, special-purpose products, and a

ACIDS • AMINES • FORMALDEHYDE PRODUCTS

ACIDS From pickling tons of steel, to descaling a salt water evaporator, to treating oil wells, there's a Du Pont acid to serve your needs.

Acetic—Reagent
Adipic—Crystalline
Chlorosulfonic—Technical
Diglycolic—Crystalline
Formic—Technical
Hydrochloric—Technical
—Reagent
—DUCLEAN® inhibited
Hydrofluoric—Technical
Hydroxyacetic (Glycolic)—Technical
Lactic—Technical
—U.S.P.
Nitric—Technical
—Reagent
Phosphoric—Technical
—N.F.
Sulfamic—Technical—crystal and granular
Sulfuric—Technical and Battery grade
—Oleum
—Sulfur Trioxide—Stabilized liquid
—Reagent
—DUCLEAN® inhibited

ALUM

Aluminum Ammonium Sulfate—N.F. and Technical
Aluminum Potassium Sulfate—N.F. and Technical
Aluminum Sulfate—Iron Free—U.S.P., Food Processing and Technical

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ALUMINUM CHLORIDE—Technical

AMINES AND AMIDES Production has been expanded to serve more effectively the growing needs of the rubber, phamaceutical, and chemical industries. Amides are among the most potent and versatile organic solvents in use today.

Diethylamine—Technical
Methylamines—Mono, Di, Tri, Anhydrous and Aqueous—Technical
Dimethylacetamide—Technical
Dimethylformamide—Technical
Formamide—Technical

AMMONIACAL LIQUOR (Ammonium Hydroxide)—26° U.S.P.

AMMONIUM CHLORIDE—Technical

AMMONIUM SULFATE—Technical

CHROME COMPLEXES Our broad chemical experience with these complexes, familiar to the paper, leather, and glass fiber industries, may help to solve your problem. A technical service specialist is as close as your phone.

QUILON®, **VOLAN®** — Werner-type chromium complexes of carboxy acids in isopropanol
Others—A group of Werner-type complexes available.

CYCLOHEXYL COMPOUNDS Available through our national distributor network, these high boiling compounds offer several advantages as solvents for a variety of resins, waxes, and oils.

HEXALIN® Cyclohexanol
HYTROL® O Cyclohexanone

DIMETHYL SULFATE Technical — Highly reactive methylating agent serving the food, pharmaceutical, chemical, textile, and many other industries.

FATTY ALCOHOLS A complete line of straight chain saturated fatty alcohols, C-8 through C-18. In drums and tank cars.

LOROL® 5, 7, 9, 11 Lauryl Alcohols—Technical
LOROL® 20 n-Octyl Alcohol—Technical
LOROL® 22 n-Decyl Alcohol—Technical
LOROL® 24 n-Cetyl Alcohol—N.F. (Drug)
LOROL® 28 n-Stearyl Alcohol—Technical and U.S.P.(Drug)

FORMALDEHYDE PRODUCTS With over 60 years of manufacturing experience in formaldehyde and its raw material methanol, you're in good hands with Du Pont.

Aqueous Formaldehyde—37% L.M. and U.S.P.
—45% and 50% L.M. only
n-Butanol Formaldehyde—51/40
Methanol Formaldehyde—33/55, 43.5/46.5
Urea Formaldehyde—25/60
Hexamethylenetetramine—Powder, Granular, Aqueous—Technical

G. B. S.* Globular Sodium Bisulfate—Technical

HYPO (Sodium Thiosulfate)—Anhydrous Technical, Food Processing and Photo Quality

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METHANOL Backing up our two production plants and nine bulk terminals are 62 strategically located distributor stock points supplying Methanol that's the "standard of the industry".

Methanol
Methanol antifreeze

continuing flow of developmental chemicals.

Call one of the conveniently located I & B offices listed on pages 2 and 3 of this insert. (Complete addresses on back page.) Talk to a "customer's man". He can supply helpful information over the phone—send you a complete "Products Index"—arrange for sales and technical service people to call on you.

PARTIAL INDEX OF INDUSTRIAL CHEMICALS

INDUSTRIAL AND BIOCHEMICALS DEPARTMENT

• METHANOL • SILICA PRODUCTS • UREA

METHYL FORMATE Technical — A versatile, low-cost, intermediate miscible with practically all organic solvents.

PROPIONATES MYCOBAN® is the most widely accepted mold and rope inhibitor used in the baking industry.

MYCOBAN® Calcium Propionate
MYCOBAN® Sodium Propionate

REAGENTS You can depend on getting reproducible results with Du Pont Reagents.

Acetic Acid
Hydrochloric Acid
Nitric Acid
Sulfuric Acid
Ammonium Hydroxide

SILICA PRODUCTS The variety of aqueous and solid forms available suggests there's one just right for your application.

LUDOX® Colloidal Silica
Potassium Silicate—Glass—Technical
—Solution—Electronics 200—Technical
—Solution—Technical
Sodium Silicate—Glass—Technical
—Solution—Technical

UREA Millions of tons to thousands of satisfied customers is the best evidence to support our claim that "your quality control check starts in our plant."

Urea—Crystal N.F. and Shotted Technical

ZINC COMPOUNDS A comprehensive family of galvanizing fluxes based on active ammonium chloride. Service experts are available through District offices.

Zinc Ammonium Chloride—Technical
Zinc Chloride—Fused and Granular Technical
ZACLON® Galvanizing Fluxes

SPECIAL PURPOSE PRODUCTS Besides marketing many of the "basic chemical building blocks" I & B offers a host of highly specialized products designed to do specific jobs. For example:

Adhesives—Water-soluble vinyl resin base powders for laminating paper board to withstand long exposure to water without ply separation.

Ammonium Sulfamate—A flame retardant for textiles and paper products.

G-942*—tanning agent—For processing light-weight skins to produce high-grade suede and grain leather.

Hydroxyacetic Acid—An effective compound in removing "milkstone" in dairies. Now finding application in such fields as radioactive decontamination, treating oil and water wells, vapor cleaning of pipelines, cleaning missiles, and metal pickling.

LUDOX® colloidal silica—Used extensively to impart anti-slip properties to floor waxes, paper, and boxboard containers.

MYCOBAN® calcium and sodium propionates—The standard mold and rope inhibitors in the baking industry for over 23 years.

QUILON® chrome complex—Used in large quantities by the paper industry to impart water repellency and release properties to paper products.

Sulfamic Acid—Has made possible the availability of dry acid cleaners which permit the cleaning of industrial boilers, heat exchangers, condensers, etc., without dismantling and in complete safety.

X-12* and CM* renewable-type flame retardants—Specially formulated to retard effectively the spread of flame on textiles and paper products.

DEVELOPMENTAL PRODUCTS Mindful of the needs of our expanding industry, I & B research have a host of new products in various stages of development. Check the District Sales Office for information.

BAYMAL® colloidal alumina
MILBAN* thiodipropionate antioxidant
SKAMEX* metallurgical additive
VAZO* vinyl polymerization catalyst
Amine 248
1,4 Dichlorobutene
Glutaric Anhydride
Hexamethylenimine
bis-Hexamethylenetriamine
Sodium Styrene Sulfonate
Succinic Anhydride

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ORGANIC CHEMICALS DEPARTMENT
("FREON" PRODUCTS DIVISION)*

"FREON" PRODUCTS DIVISION

"Freon" fluorinated hydrocarbon refrigerants, aerosol propellents, precision solvents, fluorine containing monomers and specialty products containing fluorine.

PRODUCT & SHIPPING INFORMATION	DESCRIPTION			MAJOR USES
	Molecular Weight	Boiling Point	Freezing Point	
"Freon-11" CCl_3F (Drums, tanks, tank trailers, tank cars)	137.4	74.8°F. 23.8°C.	−168°F. −111°C.	Aerosol propellent; refrigerant in industrial and commercial air conditioning systems; heat exchange liquid; blowing agent for polymeric foams.
"Freon-12" CCl_2F_2 (Cylinders, tanks, tank trailers, tank cars)	120.9	− 21.6°F. − 29.8°C.	−252°F. −158°C.	Aerosol propellent; most widely known and used of all the refrigerants; blowing agent for polymeric foams.
"Freon-13" $CClF_3$ (Cylinders)	104.5	−114.6°F. − 81.4°C.	−294°F. −181°C.	Refrigerant in industrial low temperature cascade systems.
"Freon-13B1" $CBrF_3$ (Cylinders, tanks)	148.9	− 72.0°F. − 57.8°C.	−270°F. −168°C.	Refrigerant in industrial low temperature cascade systems.
"Freon-14" CF_4 (Cylinders)	88.0	−198.4°F. −128.0°C.	−299°F. −184°C.	Refrigerant in low temperature cascade systems; inert gas; coolant for infrared detector cells.
"Freon-21" $CHCl_2F$ (Cylinders, tanks)	102.9	48.1°F. 8.9°C.	−211°F. −135°C.	Refrigerant; solvent.
"Freon-22" $CHClF_2$ (Cylinders, tanks, tank trailers, tank cars)	86.5	− 41.4°F. − 40.8°C.	−256°F. −160°C.	Aerosol propellent; refrigerant in low temperature systems; plastics intermediate; low temperature process fluid.
"Freon-23" CHF_3	70.0	−115.7°F. − 82.1°C.	−256°F. −160°C.	Product under development for use as a refrigerant.
"Freon-112" $CCl_2F\text{-}CCl_2F$ (Drums)	203.9	199.0°F. 92.8°C.	79°F. 26°C.	High-boiling inert liquid.
"Freon-113" $CCl_2F\text{-}ClF_2$ (Drums, tanks, tank trailers, tank cars)	187.4	117.6°F. 47.6°C.	− 31°F. − 35°C.	Aerosol propellent; refrigerant in industrial and commercial air conditioning systems; plastics intermediate.
"Freon-114" $CClF_2\text{-}CClF_2$ (Cylinders, tanks, tank cars)	170.9	38.4°F. 3.6°C.	−137°F. − 94°C.	Aerosol propellent; refrigerant; heat transfer medium; blowing agent for polymeric foams; dielectric gas.
"Freon-114B2" $CBrF_2\text{-}CBrF_2$	259.9	117.5°F. 47.5°C.	−167°F. −110°C.	Product under development as refrigerant and inert liquid.
"Freon-115" $CClF_2\text{-}CF_3$	154.5	− 37.7°F. − 38.7°C.	−159°F. −106°C.	Product under development as refrigerant and dielectric gas.
"Freon-116" $CF_3\text{-}CF_3$	138.0	−108.8°F. − 78.2°C.	−149°F. −100°C.	Product under development as a dielectric gas.
"Freon-C318" C_4F_8 (cyclic) (Cylinders, tanks)	200.0	21.1°F. − 6.0°C.	− 43°F. − 41°C.	Propellent for aerosol food products; dielectric gas; stable inert liquid.
"Freon" FE1301 $CBrF_3$ (Cylinders, tanks)	148.9	− 72.0°F. − 57.8°C.	−270°F. −168°C.	Fire extinguishing agent.
"Freon" BF $CCl_2F\text{-}CCl_2F$ (Drums, tank trailers, tank cars)	203.9	199.0°F. 92.8°C.	79°F. 26°C.	Solvent for cleaning oxygen equipment; raising boiling points of other "Freon" solvents.
"Freon" MF CCl_3F (Drums, tank trailers, tank cars)	137.4	74.8°F. 23.8°C.	−168°F. −111°C.	Solvent for cleaning oxygen equipment; raising flash point of flammable solvents.
"Freon" TF $CCl_2F\text{-}CClF_2$ (Drums, tank trailers, tank cars)	187.4	117.6°F. 47.6°C.	− 31°F. − 35°C.	Solvent for cleaning electronic and precision equipment and assemblies.
Chlorodifluoroethane $CH_3\text{-}CClF_2$ (Cylinders, tanks)	100.5	14.4°F. − 9.8°C.	−203°F. −130°C.	Aerosol propellent; intermediate.
Difluoroethane $CH_3\text{-}CHF_2$ (Cylinders, tanks)	66.1	− 13.0°F. − 25.0°C.	−178°F. −117°C.	Aerosol propellent; refrigerant; intermediate.
Vinyl Fluoride $CH_2{=}CHF$ (Cylinders)	46.0	− 97.5°F. − 72.0°C.	−257°F. −160°C.	Intermediate for elastomers, plastics and films.
Vinylidene Fluoride $CH_2{=}CF_2$ (Cylinders)	64.0	−122.3°F. − 85.7°C.	−227°F. −144°C.	Intermediate for elastomers, plastics and films.

*The "Freon" products are organic compounds containing one to four carbon atoms and fluorine. Chlorine, bromine and hydrogen atoms may also be present. Their principal characteristics include nonflammability, a low level of toxicity, excellent thermal and chemical stability, high density coupled with low boiling point and low viscosity and surface tension. Fluorine-containing monomers are used to produce elastomers, plastics and films.

The Pigments Department supplies eighteen grades of titanium dioxide and over two hundred pigment colors to the paint, plastics, printing ink, paper, rubber, floor covering and elastomers industries. Additional products include Hyperpure Silicon, Columbium and titanium metal, and fibrous potassium titanate, an insulating material.

PIGMENTS DEPARTMENT

PRODUCT & SHIPPING INFORMATION	DESCRIPTION	MAJOR USES				
		Paint	Plastics & Floor Coverings	Ink	Paper	Rubber
TITANIUM DIOXIDE PIGMENTS	Opacifier, brightener and whitener.					
	Specific Gravity / Index of Refraction					
"TI-PURE"® (Anatase)	3.88 / 2.53	√	√	√	√	√
"TI-PURE"® (Rutile)	4.2 / 2.71	√	√	√	√	√
Available in: 50 lb. paper bags.						
TITANIUM CALCIUM PIGMENT	Opacifier, brightener and whitener.					
"TI-CAL"® (70% $CaSO_4$-30% TiO_2)	3.25	√	√	√	√	√
Available in: 50 lb. paper bags.						
ORGANIC PIGMENT COLORS						
PHTHALOCYANINE PIGMENTS	Excellent fastness to heat, light and chemicals.	√	√	√	√	√
"Monastral"® Blue & Green		√	√	√	√	√
"Ramapo" Blue & Green						
QUINACRIDONE PIGMENTS "Monastral"® Red, Maroon, Scarlet & Violet	Excellent fastness to heat, light and chemicals.	√	√	√	√	√
LITHOL RUBINE "Duol"® Carmine	Intense color, excellent bleed resistance.	√	√	√	√	√
MONOAZO YELLOWS	Excellent chemical resistance. Fair bleed resistance.	√		√	√	
"Dalamar"® Yellow		√		√	√	
"Toluidine" Yellow						
Benzidine Yellows	Excellent chemical resistance, good bleed resistance.	√	√	√	√	√
BON Reds & Maroons	Excellent bleed resistance. Good masstone lightfastness.	√		√	√	
Copper-Maroon	Extensive use in metallics. Poor alkali resistance. Good lightfastness.	√				
Green-Gold	Excellent lightfastness. Good resistance to bleed, heat and chemicals.	√	√	√	√	√
Indanthrone Blue	Excellent lightfastness. Excellent bleed and chemical resistance.	√	√	√	√	√
Maroon-Gold	Very transparent (metallic use). Lightfast in dark shades only.	√				
Arylide "Naphthanil" Reds	Excellent chemical resistance. Fair bleed resistance.	√	√	√	√	
Newport Maroon	Very transparent (metallic use). Lightfast in dark shades only.	√				
Orange RK	Excellent chemical resistance. Good lightfastness.	√	√	√		
Organic oranges	Excellent resistance to chemicals. Fair bleed resistance.	√	√	√	√	√
Parachlor Red	Good lightfastness. Poor bleed resistance.	√		√	√	
Pigment Green B	Excellent chemical and bleed resistance. Interior use only.	√			√	√
Pigment Scarlet			√	√		
PTMA Colors	High strength and color intensity.			√	√	
Rhodamines	High strength and color intensity.			√	√	
Victoria Blues						
Toluidine Reds	Excellent chemical resistance. Excellent masstone lightfastness.	√		√	√	
Permanent Red 2B "Watchung" Reds, Maroons & Rubine	Excellent bleed and heat resistance.	√	√	√	√	√
Pyrazolone Red	Excellent alkali resistance. Good transparency and color strength.	√	√	√		√
Aqueous Dispersions of Organic Colors	Excellent dispersions for use in water systems.	√		√	√	
Available in: Drums. Size depending on code.						
INORGANIC PIGMENT COLORS						
Auric Brown	Very transparent (metallic use). Excellent bleed and acid resistance.	√		√		
Basic Zinc Chromate	Major use in wash primers.	√				√
Chrome Yellows	Excellent bleed resistance, fair acid resistance.	√	√	√	√	√
Chrome Oranges	Excellent bleed resistance, good acid resistance.	√	√	√	√	√
Molybdate Red and Oranges	Excellent bleed resistance. Fair acid resistance.	√	√	√	√	√
Available in: 50 lb. bags.						

For your convenience...

District Office addresses of the Du Pont departments listing products in this guide:

ELECTROCHEMICALS DEPARTMENT

Boston, Mass.	45 Fourth Ave. Waltham 54, Mass.	Twinbrook 9-8300
Charlotte 1, N.C.	427 W. Fourth St.	375-5561
Chicago 46, Ill.	7250 N. Cicero Ave. Lincolnwood	Independence 3-7250
Cincinnati 2, Ohio	2412 Carew Tower	Parkway 1-5253
Cleveland 20, Ohio	11900 Shaker Blvd.	Longacre 1-1580
Dallas 21, Texas	8510 Ambassador Row	Melrose 1-4140
Detroit 35, Mich.	13000 W. Seven Mile Rd.	University 4-1963
Los Angeles, Calif.	P.O. Box 70, El Monte, Calif.	Cumberland 3-2761
New York 1, N.Y.	350 Fifth Ave.	Longacre 3-6440
Philadelphia, Pa.	308 E. Lancaster Ave. Wynnewood, Pa.	Trinity 8-2700
San Francisco 24, Calif.	1485 Bayshore Blvd.	Juniper 6-5141
Export Division	Wilmington 98, Del.	Prospect 4-5354
Du Pont de Nemours International S.A.	Geneva, Switzerland	Geneva 42 16 00

EXPLOSIVES DEPARTMENT (CHEMICAL PRODUCTS SALES DIVISION)

Boston 10, Mass.	140 Federal St.	HAncock 6-1724 HAncock 6-1725
Charlotte 1, N.C.	427 W. Fourth St.	FRanklin 5-5561
Chicago 46, Ill.	7250 N. Cicero Ave. Lincolnwood	INdependence 3-7250 ORchard 5-1010
Cleveland 20, Ohio	11900 Shaker Blvd.	LOngacre 1-5070
Houston 27, Texas	P.O. Box 22207 3202 Weslayan St.	MOhawk 7-9197
Los Angeles 58, Calif.	2930 East 44th St.	LUdlow 2-6464
New York 1, N.Y.	4700 Empire State Bldg. 350 Fifth Ave.	LOngacre 3-6400

INDUSTRIAL & BIOCHEMICALS DEPARTMENT (INDUSTRIAL CHEMICALS DIVISION)

Atlanta 8, Georgia	739 W. Peachtree St.	TRinity 6-1586
Chicago 32, Ill.	4251 S. Crawford Ave.	CLiffside 4-7676
Cincinnati 2, Ohio	2308 Carew Tower	CHerry 1-4570
Cleveland 20, Ohio	12800 Shaker Blvd.	SKyline 2-7100
Detroit 35, Mich.	13000 W. Seven Mile Rd.	UNiversity 4-1963
Houston 27, Texas	4215 Richmond Ave.	MOhawk 6-0251
New Haven 13, Conn.	46 River St.	LOcust 2-5145
New York 1, N.Y.	350 Fifth Ave.	LOngacre 3-6456
Pittsburgh 19, Pa.	1715 Grant Building	GRant 1-5427
St. Louis 5, Mo.	10 S. Brentwood Blvd. Clayton	PArkview 6-1400
Waltham 54, Mass.	45 Fourth Ave.	TWinbrook 9-8300
Wynnewood, Pa.	308 E. Lancaster Ave.	TRinity 8-2700

Western Agents: VanWaters and Rogers, Inc., Albuquerque, Boise, Denver, El Paso, Los Angeles, Phoenix, Portland, Sacramento, Salt Lake City, San Diego, San Francisco, Seattle, Spokane.

ORGANIC CHEMICALS DEPARTMENT ("FREON" PRODUCTS DIVISION)

Chicago 3, Ill.	7 S. Dearborn St.	ANdover 3-7000
East Orange, N.J.	160 Halsted Street	ORange 6-1112
Palo Alto, Calif.	701 Welch Road	DAvenport 6-2840

PIGMENTS DEPARTMENT

Atlanta 12, Georgia	225 Moore St., S. E.	JAckson 5-4557
Chicago 6, Ill.	20 N. Wacker Drive	ANdover 3-7000
Cincinnati 6, Ohio	2330 Victory Parkway	AVon 1-2343
Cleveland 20, Ohio	11900 Shaker Blvd.	LOngacre 1-1060
Clifton, N.J.	50 Page Rd.	*PRescott 3-5600
Detroit 35, Mich.	13000 W. Seven Mile Rd.	UNiversity 4-1963
Houston 27, Texas	P.O. Box 22066 3202 Weslayan Ave.	MOhawk 6-0161
Malden 48, Mass.	359 Washington St.	DAvenport 2-8080
Pasadena, Calif.	22-25 Meade Bldg. 325 North Lake Ave.	MUrry 1-7431
Philadelphia 3, Pa.	909 Architects Bldg. 117 S. 17th St.	LOcust 3-2080
Portland 9, Oregon	1238 N. W. Clisan St.	CApitol 2-6012
San Francisco 24, Calif.	1485 Bayshore Blvd.	JUniper 5-9231

*LOngacre 3-6400 for the convenience of N.Y. customers.

All departments maintain headquarters at the following address:

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CARBONATE

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DAVISON CHEMICAL supplies industry with the following products for use in a wide variety of fields. Whatever your needs, contact W. R. Grace & Company, Davison Chemical Division, to fill them more efficiently and economically.

PRODUCT	USE
PETROLEUM CATALYSTS	
Silica-Alumina (13% and 25% Alumina)	Cracking catalyst
Semi-Synthetic S-S	Cracking catalyst
Silica-Magnesia SM-30	Cracking catalyst
Powerforming Catalyst	Reforming catalyst
Nicomo®	Hydrodesulfurization catalyst
High Purity Alumina (Eta and Beta forms)	Catlayst supports
Microtraps: Bead and granular form	Selective separation of hydrocarbon compounds on the basis of molecular size or structure.
INDUSTRIAL CATALYSTS	
Vanadia Silica Gel (pelleted or powdered)	Oxidation
Vanadia Alumina	Oxidation
Sponge Nickel	Hydrogenation
Palladium Carbon (granules or powder)	Hydrogenation
Nickel Silica (powdered)	Hydrogenation
Molybdenum Disulfide	Decolorization and desulfurization
Silica Gel	Synthesis, dehydrohalogenation and esterification
Silica Alumina (pelleted or microspheriodal)	Strong acid promoted reactions
Silica Magnesia (pelleted or microspheriodal)	Mildly acid promoted reactions
Chromia Alumina	Dehydrogenation and oxidation
Prescription Catalysts	Built for your specific application
CATALYST SUPPORTS	Silica Gel, Silica Alumina, Alumina, Silica-magnesia (pelleted or microspheriodal).
SILICOFLUORIDES	
Ammonium Silicofluoride (99%)	Laundry Sour, Mothproofing, Disinfectants, Casting Compounds
Zinc Silicofluoride (98%)	Laundry Sour, Mothproofing
Hydrofluosilicic Acid (22-35%)	Water Fluoridation, Electrolytic Lead Refining, Disinfectants
Magnesium Silicofluoride (98%)	Concrete Hardener, Ceramics
INSECTICIDES	
DRI-DIE® 67	Kill and control of all roaches, dry-wood termites, fleas and other insects
Dri-Die 67 and other Dri-Die formulations now being marketed through: Fairfield Chemicals Division, Food Machinery and Chemical Corporation, 441 Lexington Avenue, New York 17, N. Y.	
DESICCANTS (Packaging)	
Protek-Sorb® 121	Moisture protection for packaging
Protek-Sorb® 88	Moisture protection for packaging
Dri-Pax®	Moisture protection for pharmaceuticals, chemicals, hard candy, optics, seeds, potato chips, etc.
Air-Dryer	Moisture protection for military, industrial and home use
Humidity Indicator Cards	Reveals relative humidity from 30 to 65%
Indicating Gel	Reveals relative humidity from 0 to 4%
Microtraps	Moisture protection where high temperatures are encountered
DESICCANTS (Industrial)	
Grade 03, 3-8 mesh silica gel	Natural gas deyhdration, hydrocarbon recovery, wind tunnel air dryers, instrument dehydration, organic liquid dehydration, and in air separation plants
Grade 59, 3-8 mesh silica gel	Dehydration where liquid water may be encountered
Grade 40, 6-12 mesh silica gel	Compressed air, gas, organic liquid dehydration, and in air separation plants
Grade 11, 28-200 mesh silica gel	Dehydration of telephone cable splices
PA® 400, 8-20 mesh silica gel	Dehydration of refrigerants and organic liquids. Dehydration of air space between double pane windows
Microtraps: Bead and granular form	For ultra drying or dehydration at elevated temperatures

progress through chemistry

PRODUCT	USE
URANIUM AND THORIUM	
Thorium oxide and nitrate	High temperature refractories and gas mantles.
Nuclear Grade Metal, alloys and compounds.	
Metals and oxides with any U^{235} content desired	Nuclear feed materials.
Thorium metal powder, pellets, castings and rod	Nuclear feed materials.
Commercial grade Uranium metal	Counterweights, and other high density applications.
Uranium and Thorium Carbides	Nuclear feed materials.
SYLOIDS®—Micron-sized Silicas	
Syloid A1-1	For prevention of gas build-up in metallic paints.
Syloid 72	Flatting of plastic sheeting, paper coatings, and vinyls. Anti-blocking of inks and paper coatings. Thickening of water based compounds. Moisture removal from pharmaceuticals (anti-caking). Adhesives.
Syloid 73	Flatting of plastic sheeting.
Syloid 75	Reinforcement of adhesives.
Syloid 308	Flatting of lacquers, inks and paper coatings. Anti-blocking of paper coatings and inks.
Syloid 978	Flatting of lacquers, plastic sheeting and inks. Anti-blocking of paper coatings and plastic sheeting. Reinforcement of adhesives.
Syloid 161	Flatting of baked alkyd ureas and pigmented paints (baked).
Syloid 162	Flatting of baked alkyd ureas and pigmented paints (baked).
Syloid 404	Flatting of pigmented paints (baked).
Syloid 244	Flatting of lacquers, varnish, clear synthetic resins, plastic sheeting, inks, paper coatings, and vinyls. Anti-blocking of inks, paper coatings, and plastic sheeting. Thickening of oils, organic liquids and water based compounds. Moisture removal from pharmaceutical and chemical powders (anti-caking). Reinforcement of adhesives. Insulation (thermal).
SELECTIVE ADSORBENTS	
Silica Gel: 20-65 mesh, 28-200 mesh, 60-200 mesh. Silica-Alumina through 200 mesh	Chromatography and gas chromatography.
Silica Gel: 3-8 mesh	Hydrocarbon recovery. Acetylene and hydrocarbon removal. Carbon dioxide removal.
Silica Gel: 6-12 mesh	Chlorine recovery. Filter cartridge for tar and nicotine removal from cigarettes (Grade 80). Adsorption of nitrogen compounds.
Silica Gel: 8-14 mesh	Adsorption of ammonia (gas masks).
Activated Silica Gel and Silica Hydrogel	Fluorine removal from process streams.
Silica Gel: miscellaneous meshes	Removal of sulfur compound. Adsorption of nitrogen compounds.
Silica Gel: high and low surface areas	Separation of aromatics and paraffins.
Microtraps: bead and granular form	Selective separation of hydrocarbon compounds on the basis of molecular size or structure.
Special grades on request	
RARE EARTHS (Separated Industrial Rare Earths)	
Cerium Hydrate	Specialty glass additive.
Ceric Sulfate	Paint driers.
Lanthanum Oxide	High refractive glasses.
RARE EARTHS (Purified Rare Earth Oxides)	Chemical, metallurgical, electronic specialties.
Glass Polishing Compounds	
REAREOX® Optical Quality Cerium Oxide	High speed glass polishing.
SUPER-FAST® Premium Quality Cerium Oxide	Ultra fast glass polishing.
X-OX® Precision Quality Polishing Powder	Precision glass polishing.
RARE EARTHS (Mixed Rare Earth Compounds)	
Rare Earth Fluoride	Alloy steels and carbon arc electrodes.
Rare Earth Oxide	Ceramic specialty, carbon arc rods, and steel metallurgy.
Rare Earth Hydrate	Glass compounding.
Rare Earth Chloride	Misch metal.

GRACE

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Alkylations	Friedel-Crafts Reactions	Hydrolysis Reactions
Reductive Aminations	Grignard Reactions	Isomerizations
Condensations	Halogenations	Mannich Reactions
Dehydrations	Hydrations	Sodium Amide Reactions
Dehydrogenations	Catalytic and Chemical Hydrogenations	Sulfonations
Esterifications	Hydrogenolysis	. . . and many others

Equipment includes glass-lined, stainless-steel and Hastelloy reaction vessels served with vacuum, Dowtherm, steam, brine, cooling water and a variety of solvents. Pressures range from 29 inches of vacuum to 100 psi. Special purpose units include vacuum dryers, lethal gas reactors, solvent recovery and process fractionating systems and facilities for catalytic reductions to 2500 psi. A complete pilot plant is available for development work and limited production runs.

and Production Chemicals

Listed below are a few of the chemicals now available in commercial quantities from Elanco. Many other related products can be scheduled into production on short notice.

N-Allylsalicylamide	1-Dimethylamino-2-propyl chloride	Papaverine hydrochloride synthetic U.S.P.
2-Amino heptane	4-Ethoxy-3-methoxybenzaldehyde	a Pipecoline
L-2-Amino-1-propanol	4-Ethoxy-3-methoxyphenylacetic acid	3(a-Pipecolino)-1-propanol
Amobarbital, U.S.P.	DL-Glutamine	3-Piperidinopropiophenone hydrochloride
Anisoin	Homoveratric acid	Piperocaine hydrochloride, U.S.P.
Anisole	Homoveratronitrile	Propiophenone
Barbituric Acid	Homoveratrylamine	3-Pyrrolidinopropiophenone hydrochloride
2-Bromobutane	2-(4-Hydroxybenzoyl) benzoic acid	Secobarbital, U.S.P.
2-Bromopentane	3-Hydroxy-3-methylbutanone-2	Thiosalicylic Acid
p-Cyclohexyloxybenzoic acid	Isoamyl chloride	Beta-Chloropropionic acid
Cyclohexyl bromide	Methadone hydrochloride, U.S.P.	Pyrazole
(2-Cyclopenten-1-yl) acetone	p-Methoxy propiophenone	p-Hydroxy Propiophenone
Cyclopentyl bromide	Methylaminodimethylacetal	Diphenylacetic Acid
Desoxyanisoin	2-Methyl-3-dimethylaminopropiophenone	Cyclopentyl Acetone
Diethyl malonate and numerous other alkyl substituted malonic esters.	N-Methyl pyrrolidine	
3,4-Dimethoxybenzyl alcohol	1-Methyl-2-undecyl-3-benzylimidazolium Bromide	

ELANCO'S *broad experience in complicated chemistry* can help you remove bottlenecks in your operation, relieve overloaded facilities, eliminate the need for a plant expansion, provide field and market testing materials. You are invited to inspect our facilities. Inquiries will receive prompt attention. Confidential matters will be respected.

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Eastman

CHEMICAL PRODUCTS, INC.

SUBSIDIARY OF EASTMAN KODAK COMPANY, KINGSPORT, TENNESSEE

PRODUCT INDEX

EASTMAN CHEMICAL PRODUCTS

ACIDS AND ANHYDRIDES

Whether you buy by the tank car or drum, you can depend on the uniformly high quality of Eastman acids and anhydrides. Several properties of these products are listed below.

	Boiling Range, °C.	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, %	Containers
ACETIC ACID CH_3COOH	116.5 - 118.5	5	1.048 - 1.053	99.85	8,000-gal. alum. tank cars; stainless steel or alum. tank trucks
ACETIC ANHYDRIDE $(CH_3CO)_2O$	139.9	5	1.080 - 1.085	97.5	55-gal. N. R. drums; 8,000-gal. tank cars; tank trucks
PROPIONIC ACID C_2H_5COOH	141.1	5	0.995	99.5	55-gal. returnable alum. drums; 8,000-gal. tk. cars; tk. trucks
PROPIONIC ANHYDRIDE $(C_2H_5CO)_2O$	168.5	15	1.010 - 1.015	98	
n-BUTYRIC ACID C_3H_7COOH	163.4	5	0.957 - 0.961	99.5	
n-BUTYRIC ANHYDRIDE $(C_3H_7CO)_2O$	195.2	50	0.967 - 0.972	98	55-gal. N. R. drums; 8,000-gal. tank cars; tank trucks
ISOBUTYRIC ACID $(CH_3)_2CHCOOH$	150 - 157	10	0.946 - 0.951	99	
ISOBUTYRIC ANHYDRIDE $[(CH_3)_2CHCO]_2O$	182.5	5	0.951 - 0.956	98	
2-ETHYLHEXOIC ACID $C_4H_9CH(C_2H_5)COOH$	223 - 233	25	0.907 - 0.909	99	
CROTONIC ACID $CH_3CHCHCOOH$	181 - 218	25	0.963 (80°/4°)	98.5	200-lb. N. R. fiber drums

ALCOHOLS

For alcohols, check first with Eastman, a primary producer. Manufacturing and shipping facilities teamed with a network of distributors are geared to meet your receiving schedules quickly and efficiently.

	Lb./gal.	Refractive Index, n 20/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Acidity, as acetic acid, max. %	Flash Point C.O.C., °F.	Boiling Range, °C.
ETHYL ALCOHOL (200 proof)	6.60	1.3663	5	0.7940 @ 15.6°/15.6°C.	0.0015	62	
C_2H_5OH (190 proof)	6.80	1.3651	5	0.8160 @ 15.6°/15.6°C.	0.002	68	77 - 79
n-BUTYL ALCOHOL C_4H_9OH	6.75	1.3993	5	0.810 - 0.815	0.005	111	115 - 118.5
ISOBUTYL ALCOHOL $(CH_3)_2CHCH_2OH$	6.68	1.3977	5	0.8021 - 0.8044	0.005	102	106 - 109
2-ETHYLHEXANOL $C_4H_9CH(C_2H_5)CH_2OH$	6.93	1.4392 (n 25/D)	5	0.8325 - 0.8345	0.01	171	182 - 186
MIXED OCTYL ALCOHOL $C_8H_{17}OH$	6.93	—	5	0.8275 - 0.8340	0.04	—	173 - 185

CONTAINERS: Ethyl Alcohol is available in 4, 6, 8, and 10-000-gal. tank cars. Isobutyl and n-Butyl Alcohols, 2-Ethylhexanol, and Mixed Octyl Alcohol are available in 55-gal. N. R. drums; 6, 8, 10,000-gal. tank cars; compartment tank cars, and tank trucks.

AROMATIC INTERMEDIATES

Eastman offers a wide variety of aromatic intermediates. These materials have found use as chemical intermediates in the preparation of antioxidants, dyes, and drugs.

	Melting or Setting Point, °C.	Solubility (25°C. in g./100 g. solvent)					Containers
		Water	Acetone	Ethanol	Ethyl Acetate	Benzene	
TECQUINOL® (technical hydroquinone) $C_6H_4(OH)_2$	169 min.	7	20	57	22	Ins.	100-lb. (net) fiber drums
MONO-TERT-BUTYLHYDROQUINONE $C_6H_3(OH)_2C(CH_3)_3$	125 min.	Ins.	112	61	57	Ins.	75-lb. (net) N. R. fiber drums
2,5-DI-TERT-BUTYLHYDROQUINONE $C_6H_2(OH)_2[C(CH_3)_3]_2$	210 min.	Ins.	39	35	48	2	75- and 150-lb. (net) fiber drums
HYDROQUINONE MONOMETHYL ETHER (p-Methoxyphenol) $C_6H_4OH(OCH_3)$	54 - 56	4	426	456	245	70	100-lb. (net) fiber drums
HYDROQUINONE DI-(B-HYDROXYETHYL) ETHER $C_6H_4(OC_2H_4OH)_2$	99 min.	<1	4	4	1	<1	4-, 50-, 230-lb. (net) lined steel drums
p-BENZOQUINONE $C_6H_4O_2$	112 min.	1	36	6	18	18	50-lb. (net) fiber drums
2,5-DI-TERT-BUTYLQUINONE $C_6H_2(C_4H_9)_2O_2$	149 - 151	Ins.	8	1	9	18	75-lb. (net) N. R. fiber drums
TOLUHYDROQUINONE $C_6H_3(OH)_2CH_3$	126 min.	7	107	82	48	Ins.	100-lb. (net) fiber drums
ACETANILIDE $C_6H_5NH(COCH_3)$	113 min.	<1	37	35	11	1	50-lb. paper bags
PHENYLETHYLETHANOLAMINE $C_6H_5N(C_2H_5)(C_2H_4OH)$	32 min.	Ins.	>500	>500	>500	>500	450-lb. (net) N. R. drums
PHENYLDIETHANOLAMINE $C_6H_5N(C_2H_4OH)_2$	50 min.	3	179	174	57	12	450-lb. (net) N. R. drums
m-TOLYLDIETHANOLAMINE $C_6H_4(CH_3)N(C_2H_4OH)_2$	62 min.	1	102	122	32	8	450-lb. (net) N. R. drums
2,5-DIMETHOXYANILINE $C_6H_3(OCH_3)_2NH_2$	79 min.	Ins.	67	9	27	16	250-lb. (net) lined fiber drums

ALDEHYDES

Eastman's high-grade aldehydes find use as denaturants, chemical intermediates, specialty solvents, and chemical and pharmaceutical raw materials.

	Refractive Index, n 25/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Acidity, %	Assay, %	Flash Point C.O.C., °F.	Boiling Point, °C.
ACETALDEHYDE CH_3CHO	1.3332 (19.5°)	10	0.780 - 0.790 @ 15.6°/15.6°C.	0.1 as acetic	99.5	−30	20.3
PROPIONALDEHYDE CH_3CH_2CHO	1.3622	10	0.805 - 0.810	0.30 as propionic	97	−20	46 - 59
n-BUTYRALDEHYDE C_3H_7CHO	1.3784	10	0.802 - 0.807	0.35 as butyric	97	25	70 - 78
ISOBUTYRALDEHYDE (C. P.) $(CH_3)_2CHCHO$	1.3707	10	0.786 - 0.790	0.35 as isobutyric	97	−10	62 - 67

CONTAINERS: Acetaldehyde is available only in 8 and 10,000-gal. insulated tank cars; Propionaldehyde, n-Butyraldehyde and Isobutyraldehyde in 55-gal. N. R. drums, and 6, 8, 10,000-gal. tank cars.

PLASTICIZERS

For highest quality finished products, rely on Eastman plasticizers, manufactured under rigid specifications. Write for a copy of "Eastman Plasticizers" or call the sales office nearest you.

	Refractive Index, n 25/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, % min.	Acidity, % max.	Flash Point C.O.C., °F.	Boiling Point, °C.
DIMETHYL PHTHALATE $C_6H_4(COOCH_3)_2$	1.5130	10	1.192	99	0.01 as phthalic	315	283
DIETHYL PHTHALATE $C_6H_4(COOC_2H_5)_2$	1.4990	10	1.120	99	0.01 as phthalic	325	298.5
DIBUTYL PHTHALATE $C_6H_4(COOC_4H_9)_2$	1.4925	20	1.048	99	0.01 as phthalic	365	340
DIISOBUTYL PHTHALATE $C_6H_4(COOCH_2CH[CH_3]_2)_2$	1.4900	20	1.040	99	0.01 as phthalic	345	327
DI-(2-METHOXYETHYL) PHTHALATE $C_6H_4(COOCH_2CH_2OCH_3)_2$	1.5020	25	1.172	99	0.03 as phthtalic	385	340
DI-(2-ETHYLHEXYL) PHTHALATE (DOP) $C_6H_4(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4836	25	0.985	99	0.01 as phthalic	410	384
DIOCTYL ISOPHTHALATE (DOIP) $C_6H_4(COOC_8H_{17})_2$	1.4873	100	0.983	99	0.01 as phthalic	433	358
PLASTICIZER 84 (an octyl butyl phthalate)	1.4837	25	1.008	98	0.01 as phthalic	370	340
DI-(2-ETHYLHEXYL) ADIPATE $(CH_2)_4(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4472	20	0.927	99	0.01 as adipic	405	417
DI-(2-ETHYLHEXYL) AZELATE $(CH_2)_7(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4471	75	0.919	99	0.03 as azelaic	430	376
DIBUTYL SEBACATE $(CH_2)_8(COOC_4H_9)_2$	1.4390	50	0.939	99	0.02 as sebacic	370	349
TRIACETIN $C_3H_5(COOCH_3)_3$	1.4296	10	1.159	99	0.005 as acetic	290	258
TRIBUTYRIN $C_3H_5(COOC_3H_7)_3$	1.4333	10	1.035	99	0.02 as acetic	345	314
TXP-126 (mol. wt. — 530)	1.4528	350	1.005	—	Acid No., 5.0	455	331
POLYMERIC PLASTICIZER NP-10 (mol. wt. — 1100 to 1400)	1.4656 (n 20/D)	100	1.066	—	Acid No., 2.0	535	—

CONTAINERS: Eastman plasticizers, with the exception of NP-10, are available in 55-gal. N. R. drums; 4, 6, 8, 10,000-gal. tank cars; compartment tank cars, and tank trucks. Polymeric Plasticizer NP-10 is available in 55-gal. N. R. drums and tank-truck quantities.

SOLVENTS

Most Eastman solvents are stored in bulk in the major industrial centers of the United States. Write for information or call your Eastman representative.

	Lb./gal., 20°C.	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, % min.	Acidity, as acetic acid, %	Flash Point C.O.C., °F.	Boiling Point, °C.
ACETONE CH_3COCH_3	6.61	5	0.791 - 0.794	99.5	0.002	15	55.5 - 56.5
ETHYL ACETATE (98%) $CH_3COOC_2H_5$ (85%)	7.47	5	0.899 - 0.902	98	0.01	30	75.5 - 78
	7.34	5	0.884 - 0.886	85	0.01	26	72 - 78
ISOPROPYL ACETATE $CH_3COOCH(CH_3)_2$	7.24	5	0.868 - 0.872	95	0.01	40	85 - 90
n-BUTYL ACETATE $CH_3COOC_4H_9$	7.33	5	0.874 - 0.880	98	0.01	90	118 - 128
ISOBUTYL ACETATE $CH_3COOCH_2CH(CH_3)_2$	7.21	5	0.864 - 0.871	90	0.01	87	110 - 119
TECSOL® (anhyd.) C_2H_5OH	6.62	20	0.794 - 0.797 @ 15.6°/15.6°C.	199 min. proof @ 15.6°C.	0.02	55	74 - 80
(95%)	6.78	20	0.813 - 0.816 @ 15.6°/15.6°C.	189 min. proof @ 15.6°C.	0.02	55	74 - 80
METHYL ISOAMYL KETONE $CH_3COC_2H_4CH(CH_3)_2$	6.77	15	0.813	97.5	0.03	110(T.O.C.)	141.6 - 147.4
2-ETHYLHEXYL ACETATE $CH_3COOCH_2CH(C_2H_5)C_4H_9$	7.28	15	0.870 - 0.875	95	0.02	190	192 - 205

CONTAINERS: Eastman solvents are available in 55-gal. N.R. drums; 4, 6, 8, 10,000-gal. tank cars; compartment tank cars; and tank trucks.

MISCELLANEOUS

	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, %	Boiling Point, °C.	Containers
NEOPENTYL GLYCOL $HOCH_2C(CH_3)_2CH_2OH$	White	Crystalline solid m.p.—120° - 130°C.	—	—	N. R. fiber drums
ACETONITRILE CH_3CN	15	0.7836	—	79.6 - 83.6	55-gal. drums; tank cars; tank trucks
n-BUTYRONITRILE $CH_3CH_2CH_2CN$	25	0.7919	99	76	55-gal. drums; tank cars; tank trucks
ISOBUTYRONITRILE $(CH_3)_2CHCN$	20	0.7700 - 0.7740	—	100.5 - 105.5	350-lb. (net) N. R. drums
TRIETHYL PHOSPHATE $(C_2H_5O)_3PO$	10	1.067 - 1.072	97	97% between 209 - 218	450-lb. (net) N. R. drums; 4, 6, 8, 10,000-gal. tank cars; tank trucks.
IRON OXIDE Fe_2O_3	Low-cost by-product containing 1-3% siliceous impurities. Used in oil and gas desulfurizing process, and drilling muds.				

CELLULOSE PRODUCTS

Cellulose acetate is an acetic acid ester of cellulose which finds use in plastics and protective coating applications. It is produced in a number of different types which vary in acetyl content and viscosity.

Cellulose acetate butyrate is made by esterifying purified cellulose with a mixture of acetic and butyric anhydrides. This material is a chemically uniform product that can be more easily modified for lacquers and hot melts than cellulose acetate. The effect of the butyryl content on specific properties is illustrated in the accompanying chart.

Oxidized cellulose is made by treating cellulose with oxides of nitrogen. This treatment converts it into an absorbable hemostat, permitting its use as a surgical gauze which is absorbed by body liquids.

As an adsorbent of cations from aqueous solutions, oxidized cellulose has also proved to be very effective in the isolation and purification of ACTH from crude pituitary extracts.

CELLULOSE ACETATE[1] & CELLULOSE ACETATE BUTYRATE[2]

Type	Cellulose Acetate	EAB-171	EAB-272	EAB-381	EAB-500
% Butyryl Content (approx.)	0	17	27	38	50
Tolerance for Diluent			INCREASING		
Compatibility			INCREASING		
Flexibility			INCREASING		
Moisture Resistance			INCREASING		
Grease Resistance			DECREASING		
Tensile Strength			DECREASING		
Hardness			DECREASING		
Melting Point			DECREASING		
Containers (Paper bags)	50 lb.	50, 70, 100 lb.	50, 100 lb.	50 lb.	50 lb.
General Usage	Coatings for paper, flash bulbs, wire screens, cable lacquers	Airplane dopes, cable lacquers	Cable lacquers, melts	Paper, plastic, metal, and wood lacquers, melt coatings, heat-sealing adhesives	Strip and melt coatings

1. Eastman cellulose acetate is available in a number of types of varying acetyl contents and viscosities.

2. Each Eastman cellulose acetate butyrate type is available in 2 or more viscosity ranges.

FOOD ADDITIVES

TENOX® Food-Grade Antioxidants — A complete line of Eastman antioxidants for stabilizing foods against oxidative deterioration is sold under the trade name "TENOX". These are usually sold as proprietary preparations containing one or more of the following materials: butylated hydroxyanisole, butylated hydroxytoluene, propyl gallate, citric acid, and various solvents. TENOX food-grade antioxidants find use in edible and inedible fats, vegetable oils, vitamins, cereals, paraffin, nuts, food-packaging materials, and essential oils.

Realizing that many food processors do not have the necessary equipment to conduct laboratory evaluations of antioxidants and their effectiveness, Eastman maintains fully equipped Food Laboratories in Kingsport, Tennessee, to assist in the selection, application, and evaluation of the TENOX food-grade antioxidants. If the existing formulations are not suitable for your needs, the personnel of these laboratories will be glad to work with you in determining the antioxidant formulation which will solve your oxidation problems.

The solid forms of TENOX are available in 100-, 25-, 5-, and 1-pound fiber drums. The liquid forms are available in 1-gallon and 1-pound glass bottles and 30- and 15-gallon steel drums.

SAIB

(Sucrose Acetate Isobutyrate)

Specific gravity, 25°/25°C.	1.146
Boiling point, °F.	>550
Form	liquid
Color, APHA	100 max.
Molecular weight	847

SAIB is a clear, light-colored material with outstanding stability to heat aging, ultraviolet light, and hydrolysis. It is available either as a semi-solid having a viscosity of approximately 100,000 cp. at room temperature or as a 90% solution in ethyl alcohol with a room temperature viscosity of 750 cp.

The excellent permanence, compatibility, and solubility of SAIB make it particularly useful in lacquer and hot-melt coating applications. A low solution viscosity permits high modification of protective coating formulations at application consistencies, often without a reduction of film hardness. Tough, flexible melt coatings can be made containing up to 70% SAIB. They have good adhesion to paper and are not tacky. One of their outstanding features is a complete absence of fuming at melt temperatures.

EPOLENE®

Low-Molecular-Weight Polyolefins

The EPOLENE polyolefins are low-molecular-weight resins, pure white in color and low in odor. While possessing many of the physical properties of higher molecular weight polyolefins, they exhibit lower melting points and lower melt viscosities, thus adapting them to applications not practicable with plastic-grade resins. A wide range of compatibility with other resins, waxes, and elastomers extends their usefulness. Available in seven types, the EPOLENE polyolefins are marketed in rice-sized pellet form packaged in convenient 50-pound paper bags.

EPOLENE E-10: Emulsifiable — Originally developed for water-emulsion polishes, produces floor polishes of excellent hardness, durability, gloss, shelf life, and resistance to scuff and dirt pick-up. Use in emulsions also includes a variety of coatings, textile finishes, lubricants, and leather dressings.

EPOLENE E-11: Emulsifiable — Lower in melt viscosity than EPOLENE E-10, is easier to handle. Being softer, it imparts improved anti-slip properties and increased rebuffability to floor polishes. An effective calender release agent or lubricant in rubber and plastics processing and an efficient finishing agent for wash-and-wear fabrics. As paraffin modifier, improves adhesion and heat stability.

EPOLENE E-12: Emulsifiable — First high-density, emulsifiable polyolefin available. Considerably harder than other E- types and more compatible with oleic acid, EPOLENE E-12 produces polishes of remarkable hardness. A low-melt viscosity assures easy handling.

EPOLENE E-14: Emulsifiable — Lowest melt viscosity and softening point and softest of the E-type polyolefins. Easier to melt and handle. Only type suggested for either water-to-wax or wax-to-water emulsions. Imparts greater slip resistance to floor polishes.

EPOLENE N-10: Nonemulsifiable — When blended with paraffin and other waxes and resins, improves tensile strength, electrical properties, and abrasion resistance and increases melting and blocking temperatures. Used principally to enhance properties of paraffin coatings for paper and dairy cartons, it is also useful as a wax modifier in candles, crayons, solvent paste polishes, and electronic potting compounds.

EPOLENE N-11: Nonemulsifiable — Lower in melt viscosity and molecular weight than EPOLENE N-10, and easier to handle. Uses include most of those listed for EPOLENE N-10. May be blended with plastic-grade polyethylene to obtain shorter injection molding cycles.

EPOLENE N-12: Nonemulsifiable — Similar to EPOLENE N-11 in handling ease because of low melt viscosity. Because of its exceptional hardness, can be ground with ink vehicles to produce stable fine dispersions for printing ink applications. Its high softening point is useful in blends with other waxes to increase their softening point. EPOLENE N-12 has a higher density than any of the other nonemulsifiable types.

EPOLENE C-10: Nonemulsifiable — Developed especially for coating paper and packaging materials. EPOLENE C-10 has a sufficiently low melt viscosity to permit application directly as a hot melt to paper and foil. Wax blends modified with EPOLENE C-10 exhibit higher melting points and improved toughness and gloss.

EPOLENE C-11: Nonemulsifiable — Intermediate density polyolefin, especially designed to complement the properties of EPOLENE C-10. Imparts increased resistance to grease, moisture vapor transmission, scuff and blocking. EPOLENE C-11 modification also provides higher heat-seal temperatures and greater bond strength.

EPOLENE C-100: Especially designed as a hot-melt adhesive for line or spot applications. Produces fiber-tearing seals with most papers. May be used for bonding paper to many plastic films, waxed paper and other substrates. With uniform pellet size and relatively low melting point and viscosity, is suitable for use on most hot-melt adhesive equipment.

PETROLEUM ADDITIVES

TENAMENE® Petroleum Additives — Tenamene is Eastman's trade name for a line of antioxidants and metal deactivators. Tenamene 1, a solution of N-butylated p-aminophenol in isopropanol, is an efficient, low-cost gum inhibitor for motor fuels. Tenamene 2 (N,N'-di-sec-butyl-p-phenylenediamine) is a combined sweetening agent and gum inhibitor for motor fuels and aviation gasoline. Tenamene 3 (2,6-di-tert-butyl-p-cresol) is a useful antioxidant for motor and aviation gasolines as well as transformer, turbine, and lube oils and waxes. Other uses of Tenamene 3 are in synthetic latices, prevention of darkening in rosin acids and ester gums, in oxidized polyethylene waxes, as an anti-skinning agent in certain types of surface coating vehicles, and in the stabilization of isobutylene and diolefin copolymers. This antioxidant is available in flake form or as a 33⅓% solution in toluene.

Tenamene 60 and Tenamene MD-50 are powerful copper deactivators for use in automotive and jet fuels and kerosene or No. 2 fuel oil.

Tenamenes 1, 2, and 3 Solution are available in tank-car and tank-truck quantities or drums. Tenamene 3 Flake is shipped in 100-lb. fiber drums. Tenamene 60 and MD-50 are shipped in 30-gallon lined drums.

RUBBER ANTIOZONANTS

EASTOZONE® Antiozonants — Under the trade name of Eastozone, Eastman markets the two effective rubber antiozonants, Eastozone 30 and Eastozone 31. Derivatives of p-phenylenediamine, they provide elastomer stocks with effective resistance to ozone cracking and checking during both static and dynamic service. They are easily incorporated into elastomer formulas during processing and show excellent nonstaining characteristics on contact with rubber or lacquer surfaces.

Eastozone 30 and 31 are shipped in 55-gallon drums and 5-gallon cans.

AGRICULTURAL CHEMICALS

TENOX® BHT - Agricultural Grade — A form of butylated hydroxytoluene especially prepared for feed use — free-flowing, nondusting, in a particle size comparable to that of other feed components. It is an effective stabilizer for fish meals and scrap and an efficient antioxidant for poultry and animal feeds. In addition to protection of the vitamin content of feeds, it improves pigmentation and protects chicks against certain deficiency diseases. Eastman's line of feed-grade antioxidants also includes 25% TENOX BHT Premix composed of one part BHT and three parts of a nutritive cereal carrier.

TENOX BHT—Agricultural Grade is available in 50- and 100-pound fiber drums. The 25% TENOX BHT Premix is available in 50-pound paper bags.

TECMANGAM®—(75-78% manganese sulfate). A completely soluble source of readily available manganese for fertilizers, nutritional sprays, and animal feeds.

EASTMAN DYES

Eastman dyes are dispersed colors for application to acetate, polyester, and nylon fibers. For many years Eastman has supplied the trade with the widest range of dyes having outstanding fastness properties for acetate. Now a complete range of excellent colors for polyester fibers is available in the line of Eastman Polyester Dyes. This line includes the following colors:

Yellow RL	**Red FFBL**	**Blue 3RL**
Yellow W	**Dark Red FL**	**Navy G**
Yellow 2R	**Pink LB**	**Navy Blue RL**
Yellow 5R	**Pink RL**	**Violet R**
Yellow 5GLS	**Blue GB**	**Brown 3RL**
Brill. Orange 2RL	**Brill. Blue 2RL**	**Dark Brown GL**
Red 2G	**Blue GLF**	**Black OBL**
Red B	**Blue GR**	**Black RB**
Red 3BL	**Blue BLF**	**Diazo Black B**

NEW PRODUCT NOTES

Here are eight new interesting chemicals for your research evaluation.

2,2,4,4-TETRAMETHYL-1,3-CYCLOBUTANEDIOL

$CHOHC(CH_3)_2CHOHC(CH_3)_2$

Appearance	White, cryst. solid
Melting point, °C.	125-135
Boiling point, °C.	Approx. 210-215
Flash point, C.O.C., °C.	125-135

SUGGESTED USES

- Important primarily as a chemical intermediate.
- Unusual stability of the diesters suggest their use in synthetic lubricants.
- Diesters have also shown promise in the plasticizer field.

TETRAMETHYL-1,3-CYCLOBUTANEDIONE

$COC(CH_3)_2COC(CH_3)_2$

Melting point, °C.	115-116 with sublimation
Boiling point, °C.	159
Vapor pressure, 52°C., mm.	6
Flash point, C.O.C.	Sublimes

- Reacts with some carbonyl group reagents to produce heterocyclic derivatives which have potential application in the photographic field and as dye intermediates.
- Important mainly as a chemical intermediate.

EASTMAN INHIBITOR OPS

(p-Octylphenyl Salicylate)

Appearance	White, cryst. solid
Melting point, °C.	72-74
Solubility, 75°F., wt. % in	
acetone	127.2
benzene	144.1

- Ultraviolet stabilizer for polyolefins such as polyethylene and polypropylene.

EASTMAN INHIBITOR HPT

(Hexamethylphosphoric Triamide)

Form	Light yellow liquid
Boiling range, 739.4 mm., °C.	230-232
Sp. gr., 60°/60°F.	1.021
R. I., n 20°/D	1.4586-1.4590

- Ultraviolet light stabilizer in vinyl formulations.
- Has good water solubility which suggests its use in aqueous systems such as latices.
- Stabilizer against molecular degradation in polystyrene and other monoolefinic monomers.

EASTMAN INHIBITOR THBP

(2,4,5-Trihydroxybutyrophenone)

Appearance	Yellow-tan crystal
Melting point, °C.	149-153
Solubility, 20°C., wt. %	
in ethanol	25
in propylene glycol	30

- An effective antioxidant for polyolefins, such as polypropylene and polyethylene.
- Efficient antioxidant for paraffin wax and mineral oil.
- Retarder in the vulcanization of rubber.
- Intermediate in the preparation of dyes.

EASTMAN INHIBITOR RMB

(Resorcinol Monobenzoate)

Form	White cryst. solid
Melting point, °C.	132-135
Boiling point, 0.15 mm., °C.	140

- Ultraviolet light inhibitor for cellulosic plastics.
- Imparts no color and can be used effectively to stabilize transparent materials.
- May also be used as a color stabilizer in cosmetic compositions.

2,2,4-TRIMETHYLPENTANOL

$CH_3CH(CH_3)CH_2C(CH_3)_2CH_2OH$

Sp. gr., 20°/20°C.	0.8296
Boiling range, 760 mm., °C.	166.8-168.1
Assay, %	98-99
R. I., n 20°/D	1.4293
Color, APHA, ppm.	5

- Has shown promise for use in synthetic high-temperature lube bases and functional fluids.
- This alcohol may have application as a terminating agent for polyesters and in other reactions where dehydration might be a problem.

1,4-DIMETHYLPENTYLAMINE

$CH_3CH(CH_3)CH_2CH_2CH(CH_3)NH_2$

Form	Colorless liquid
Boiling range, 760 mm., °C.	129.0-135.0
Specific gravity, 20/20°C.	0.7611
R. I., n 20°/D	1.4160

SUGGESTED USES

- A branched-chain, reactive primary amine, having potential applications in the manufacture of rubber and agricultural chemicals, pharmaceuticals, surfactants, inhibitors, and petroleum additives.
- Has been evaluated as a pressor substance, possessing the structure necessary for maximum useful activity: amino group on the C-2 position, 7 or 8 carbon atoms, and branching in the molecular chain.

WAREHOUSING AND SHIPPING

Fast, efficient delivery schedules are maintained to points in the South, East, and Middle West from warehouses in Kingsport, Tennessee; Longview, Texas; and Lodi, New Jersey. On the West Coast, a selected list of Eastman chemical products are warehoused by Wilson & Geo. Meyer & Co. You can depend on Eastman service whether tank-car, tank-truck, or truck shipments are ordered.

TECHNICAL ADVICE AND ASSISTANCE

Eastman service includes fully equipped laboratories staffed with experienced and qualified personnel. They are maintained for the express purpose of working with you on the use of Eastman products. Details of this service are available from your nearby sales representative. Whether the work is done in our laboratories or in your plant, you will find the Eastman technical staff ready to cooperate at all times.

SALES OFFICES

EASTMAN CHEMICAL PRODUCTS, INC.—•Kingsport, Tennessee; •Atlanta 5, Georgia, 3133 Maple Drive, N.E.; •Buffalo 26, N. Y., 4498 Main St.; •Chicago, 4200 Dempster St. (Skokie, Ill.); •Cincinnati 2, Ohio, 1626 Carew Tower; •Cleveland 20, Ohio, 13212 Shaker Square; •Detroit, 17320 W. Eight Mile Rd. (Southfield, Mich.); •Boston (Framingham, Mass.), 65 Concord St.; •Greensboro, N. C., 1403 Sunset Drive; •Houston 25, Texas, 1100 Holcombe Blvd.; •Kansas City 11, Mo., 3435 Broadway Blvd.; •Lodi, N. J., U. S. Hwy. 46; •New York 16, N. Y., 260 Madison Ave.; •Philadelphia, Fort Washington Industrial Park (Fort Washington, Penn.); •St. Louis 5, Mo., 10 S. Brentwood Blvd.

WESTERN SALES REPRESENTATIVE

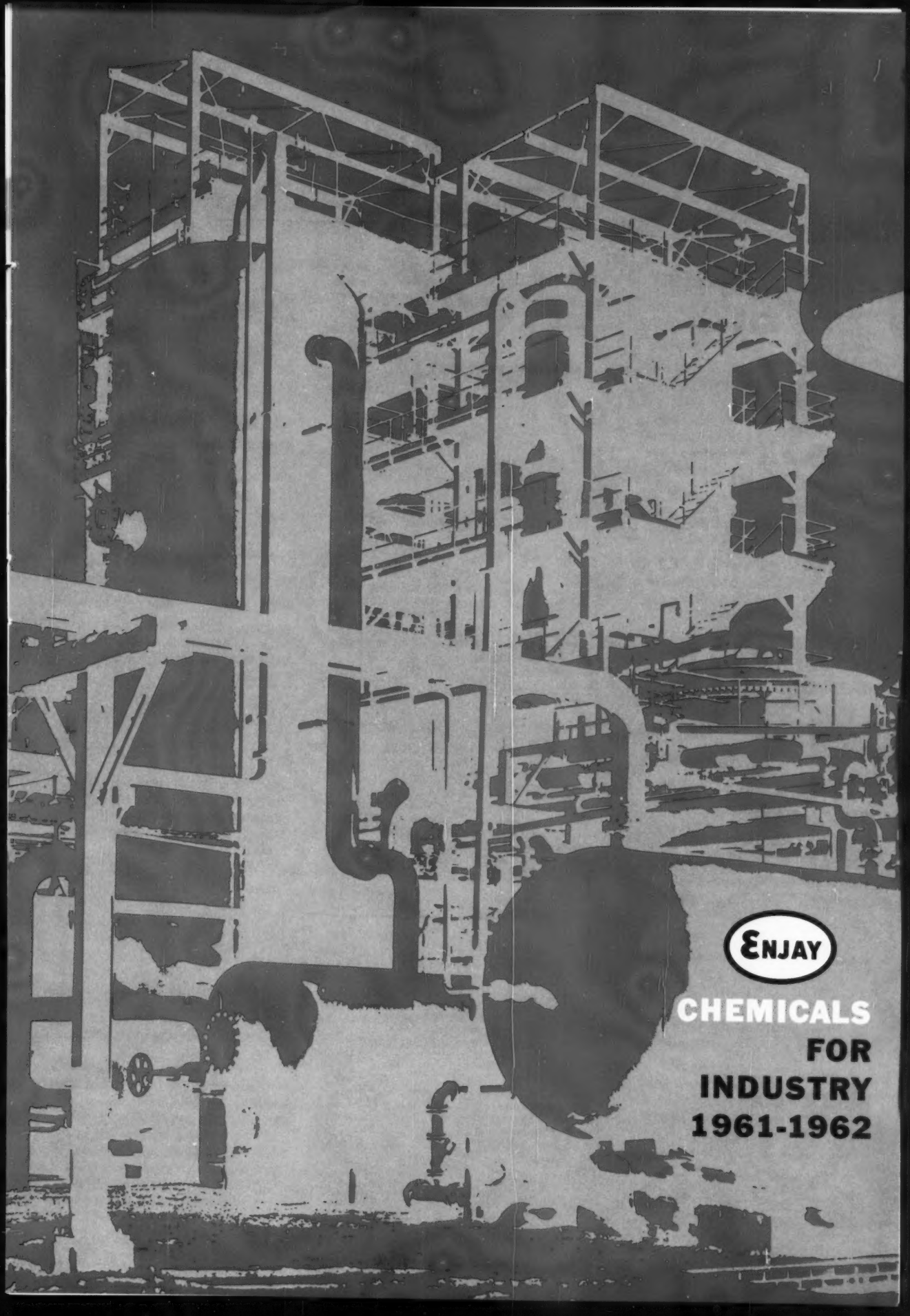
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ENJAY
CHEMICALS
FOR
INDUSTRY
1961-1962

ENJAY

CHEMICALS FOR INDUSTRY

LOWER ALCOHOLS

ETHYL ALCOHOL–190

(This alcohol is used by Enjay in preparing denatured alcohols, including Jaysol® and Jaysol® S Proprietary Solvents)

Ethyl Alcohol 200 (anhydrous) is also available

TYPICAL INSPECTIONS	
Color (Pt-Co)	<5
Purity (vol per cent)	95.1
Specific Gravity (20/20°C)	0.812
Pounds/Gallon (60°F)	6.79
Distillation (°C)	
IBP	78.0
DP	78.6
Flash (Tag Open Cup) °F	68

APPLICATIONS: Acetaldehyde, Acetic Acid, Vinegar, Shellac Solvent, Ethyl Ether, Pharmaceuticals, Toiletries, Liquid Detergents, Solvent

ISOPROPYL ALCOHOL†, 91%

TYPICAL INSPECTIONS	
Color (Pt-Co)	5
Purity (vol per cent)	91.5
Specific Gravity (20/20°C)	0.8175
Pounds/Gallon (60°F)	6.83
Distillation (°C)	
IBP	79.7
DP	80.3
Flash (Tag Open Cup) °F	67

APPLICATIONS: Acetone, Solvent Extraction, Toiletries, Liquid Detergents, Cleaners, Solvent

ISOPROPYL ALCOHOL, ANHYDROUS

TYPICAL INSPECTIONS	
Color (Pt-Co)	<5
Purity (vol per cent)	99.9+
Specific Gravity (20/20°C)	0.7866
Pounds/Gallon (60°F)	6.57
Distillation (°C)	
IBP	82.0
DP	82.4
Flash (Tag Open Cup) °F	55

APPLICATIONS: Aerosols, Lacquer Solvent (Latent), Isopropyl Acetate, Solvent Extraction, Solvent, Carburetor Anti-icing

SECONDARY BUTYL ALCOHOL

TYPICAL INSPECTIONS	
Color (Pt-Co)	5
Purity (wt per cent)	99.5
Water Content (wt per cent)	0.04
Specific Gravity (20/20°C)	0.808
Pounds/Gallon (60°F)	6.76
Distillation (°C)	
IBP	99.2
DP	100.1
Flash (Tag Closed Cup) °F	74

APPLICATIONS: Methyl Ethyl Ketone, Lacquer Solvent (Latent), Sec. Butyl Acetate, Sec. Butyl Xanthate, Solvent

†Enjay also supplies Isopropyl Alcohol, 95%

HIGHER OXO ALCOHOLS

HEXYL ALCOHOL

TYPICAL INSPECTIONS	
Color (Pt-Co)	5
Purity (wt per cent)	98.9
Water (wt per cent)	0.03
Specific Gravity (20/20°C)	0.820
Pounds/Gallon (68°F)	6.84
Distillation (°C)	
IBP	150
DP	156
Flash (Tag Open Cup) °F	144

APPLICATIONS: Plasticizers, Flotation Agents, Lubricant Additives, Solvents, Brake Fluids, Agricultural Chemicals

ENJAY

CHEMICALS FOR INDUSTRY

HIGHER OXO ALCOHOLS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
ISOOCTYL ALCOHOL	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.6 Water Content (wt per cent) ..... 0.04 Specific Gravity (20/20°C) ..... 0.832 Pounds/Gallon (60°F) ..... 6.95 Distillation (°C) IBP ..... 184 DP ..... 190 Flash (Tag Open Cup) °F ..... 180+	Plasticizers, Antifoams, Synthetic Lubricants, Metal Extraction, Surfactants, Herbicides, Vinyl Stabilizers, Solvent
DECYL ALCOHOL	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.5 Water Content (wt per cent) ..... 0.06 Specific Gravity (20/20°C) ..... 0.838 Pounds/Gallon (60°F) ..... 6.99 Distillation (°C) IBP ..... 215 DP ..... 221 Flash (Tag Open Cup) °F ..... 180+	Plasticizers, Antifoams, Synthetic Lubricants, Metal Extraction, Surfactants, Herbicides, Vinyl Stabilizers
TRIDECYL ALCOHOL	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.6 Water Content (wt per cent) ..... 0.07 Specific Gravity (20/20°C) ..... 0.845 Pounds/Gallon (60°F) ..... 7.06 Distillation (°C) IBP ..... 248 DP ..... 260 Flash (Tag Open Cup) °F ..... 180+	Surfactants, Plasticizers, Metal Working Lubricants, Textile Lubricants, Bactericides

ETHERS	TYPICAL INSPECTIONS	APPLICATIONS
ETHYL ETHER (Supplied inhibited and uninhibited)	Specific Gravity (20/20°C) ..... 0.715 Pounds/Gallon (60°F) ..... 5.99 Flash (Tag Open Cup) °F ..... −40	Solvent Extraction, Ethylene, Explosives, Collodion, Solvent
ISOPROPYL ETHER, 94% (Supplied inhibited)	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 94.6 Specific Gravity (20/20°C) ..... 0.728 Pounds/Gallon (60°F) ..... 6.11 Distillation (°C) IBP ..... 33 DP 110	Solvent, Antiknock Agent

ESTERS	TYPICAL INSPECTIONS	APPLICATIONS
ETHYL ACETATE (Two grades of ethyl acetate are sold by Enjay. The commonly used grade (85-88%) is represented here. A 99-100% grade is available for those uses where the presence of 12-15% ethyl alcohol is undesirable)	Color (Pt-Co) ..... <5 Specific Gravity (20/20°C) ..... 0.8859 Pounds/Gallon (60°F) ..... 7.4 Distillation (°C) IBP ..... 71.5 DP 77.6	Lacquer Solvent, Solvent Extraction, Denaturant, Adhesives, Solvent

ENJAY

CHEMICALS FOR INDUSTRY

ESTERS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
ISOPROPYL ACETATE	Color (Pt-Co) ..... <5 Specific Gravity (20/20°C) ..... 0.870 Pounds/Gallon (60°F) ..... 7.28 Distillation (°C) IBP ..... 86.5 DP ..... 88.5 Flash (Tag Open Cup) °F 60	Solvent: Lacquers, Extraction, General
SECONDARY BUTYL ACETATE	Purity (wt per cent) ..... 88 Specific Gravity (20/20°C) ..... 0.862 Pounds/Gallon (60°F) ..... 7.22 Distillation (°C) IBP ..... 106 DP ..... 113 Flash (Tag Open Cup) °F 89	Solvent: Lacquers, Textile Sizes, Paper Coatings, General

KETONES	TYPICAL INSPECTIONS	APPLICATIONS
ACETONE	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.7 Specific Gravity (20/20°C) ..... 0.792 Pounds/Gallon (60°F) ..... 6.63 Distillation (°C) IBP ..... 55.9 DP ..... 56.3 Flash (Tag Open Cup) °F 15	Solvent: Extraction, Lacquers, Plastics, Coatings, Textiles, General; Higher Alcohols and Ketones
METHYL ETHYL KETONE	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.7 Specific Gravity (20/20°C) ..... 0.806 Pounds/Gallon (60°F) ..... 6.70 Distillation (°C) IBP ..... 79.1 DP ..... 79.9 Flash (Tag Open Cup) °F 24	Solvent: Extraction, Lacquers, Rubber, Coated Fabrics; Lube Oil Dewaxing, General
METHYL ISOBUTYL KETONE	Color (Pt-Co) ..... <5 Purity (wt per cent) ..... 99.6 Specific Gravity (20/20°C) ..... 0.8022 Pounds/Gallon (60°F) ..... 6.70 Distillation (°C) IBP ..... 115 DP ..... 117 Flash (Tag Closed Cup) °F 75	Solvent: Extraction, Lacquers, Coatings, Adhesives, Lube Oil Dewaxing, General

OLEFINS		TYPICAL INSPECTIONS	APPLICATIONS
ETHYLENE (Supplied as a compressed gas or liquid)		Purity (mole per cent) 99.0-99.9	Ethyl Alcohol, Polyethylene, Ethylene Oxide, Styrene, Ethyl Chloride
PROPYLENE (Supplied as a liquefied gas)	90 85 70 Other	Purity (liquid vol per cent) ..... 94 Purity (liquid vol per cent) ..... 89 Purity (liquid vol per cent) ..... 72 Purity (liquid vol per cent) 60	Isopropyl Alcohol, Propylene Trimer, Propylene Tetramer, Propylene Oxide, Polypropylene, Cumene
NORMAL BUTYLENES		Purity (vol per cent) ..... 90 Specific Gravity (60/60°F) ..... 0.61 Pounds/Gallon (60°F) 5.0	Methyl Ethyl Ketone Butadiene

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CHEMICALS FOR INDUSTRY

OLEFINS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
ISOBUTYLENE (Supplied as a liquefied gas)	Purity (wt per cent) . . . . . 99.3 Specific Gravity (60/60°F) . . . . . 0.602 Pounds/Gallon (60°F) 5.01	Butyl Rubber, Vistanex®, Lube Oil Additives, Antioxidants, Alkylate Gasoline
HEPTENE	Total Olefins (vol per cent) . . . . . 95 Color (Pt-Co) . . . . . 5 Distillation (°F) IBP . . . . . 184 DP 206	Isooctyl Alcohol, Lube Oil Additives
TRIPROPYLENE	Olefins (vol per cent) . . . . . 99+ Color (Pt-Co) . . . . . 5 Specific Gravity (20/20°C) . . . . . 0.738 Pounds/Gallon (60°F) . . . . . 6.1 Distillation (°F) IBP . . . . . 249 FBP . . . . . 297 Flash (Tag Open Cup) °F 75	Nonylphenol, Nonylbenzene, Lube Oil Additives, Wetting Agents
NONENE, CLOSE CUT	Olefins (vol per cent) . . . . . 99+ Color (Pt-Co) . . . . . 5 Specific Gravity (20/20°C) . . . . . 0.740 Pounds/Gallon (60°F) . . . . . 6.2 Distillation (°F) IBP . . . . . 271 DP . . . . . 289 Flash (Tag Open Cup) °F 78	Nonylphenol, Nonylbenzene, Lube Oil Additives, Wetting Agents, Decyl Alcohol
TETRAPROPYLENE	Olefins (vol per cent) . . . . . 99 Color (Pt-Co) . . . . . 45 Specific Gravity (20/20°C) . . . . . 0.779 Pounds/Gallon (60°F) . . . . . 6.5 Distillation (°F) IBP . . . . . 358 FBP . . . . . 398 Flash (Tag Open Cup) °F 148	Detergent Alkylate, Tridecyl Alcohol, Wetting Agents, Dodecylphenol
TRIDECENE CONCENTRATE	Olefins (vol per cent) . . . . . C-12—C-15 95 Pounds/Gallon (60°F) . . . . . 6.6 Distillation (°F) IBP . . . . . 398 FBP 468	Detergent Alkylate, Wetting Agents

DIOLEFINS	TYPICAL INSPECTIONS	APPLICATIONS
BUTADIENE (Supplied as a liquefied gas)	Purity (wt per cent) . . . . . 99.0 Specific Gravity (60/60°F) . . . . . 0.63 Pounds/Gallon (60°F) 5.2	SBR Rubber, Polybutadiene Rubber, Resins, Nylon, Nitrile Rubber
***ISOPRENE**	Purity (wt per cent) . . . . . 96.5 Specific Gravity (60/60°F) . . . . . 0.685 Pounds/Gallon (60°F) 5.7	Butyl Rubber, Resins, "Synthetic Natural" Rubber
DICYCLOPENTADIENE	Color (Pt-Co) . . . . . 100 Cyclopentadiene (wt per cent) . . . . . 95.4 Specific Gravity (20/20°C) . . . . . 0.985 Pounds/Gallon (60°F) . . . . . 8.2 Flash (Tag Open Cup) °F 80-100	Insecticides, Resins, Varnishes, Ferrocene Compounds, Paints, Norbornylene, Diels-Alder Adducts

*Polymer grades available in market development quantities.

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CHEMICALS FOR INDUSTRY

AROMATICS	TYPICAL INSPECTIONS	APPLICATIONS
BENZENE	Purity (wt per cent) ..... 99+ Freezing Point (°C) ..... 5.39 Specific Gravity (60/60°F) ..... 0.884 Pounds/Gallon (60°F) ..... 7.4 Distillation (°C) IBP ..... 79.5 DP ..... 80.1 Flash (Tag Open Cup) °F ..... <40	Styrene, Phenol, Nitrobenzene, Aniline, Detergent Alkylate, Insecticides, Maleic Anhydride, Bisphenols
TOLUENE	Purity (vol per cent) ..... 99.4 Specific Gravity (60/60°F) ..... 0.8702 Pounds/Gallon (60°F) ..... 7.25 Distillation (°F) IBP ..... 230 DP 232	Benzene, Toluene Diisocyanate, Detergents, TNT, Phenols
PARA XYLENE	Purity (wt per cent) ..... 99.0 Freezing Point (°C) ..... 11.5 Specific Gravity (60/60°F) ..... 0.865 Pounds/Gallon (60°F) 7.2	Textiles, Film, Terephthalic Acid
ORTHO XYLENE	Purity (wt per cent) ..... 95.5 Specific Gravity (60/60°F) ..... 0.882 Pounds/Gallon (60°F) 7.3	Phthalic Anhydride
PSEUDOCUMENE	Purity (wt per cent) ..... 95.0 Specific Gravity (60/60°F) ..... 0.878 Pounds/Gallon (60°F) ..... 7.3 Flash (Tag Closed Cup) °F 119	Synthetic Resins, Surface Coatings, Plasticizers, Drugs, Dyes
AROMATIC HB (A dark colored liquid high in aromatics)	Viscosity (SSU 100°F) ..... 45 Flash (P-M) °F ..... 210 Pour Point (°F) ..... −10 Gravity (API @ 60°F) ..... 18 Pounds/Gallon (60°F) 7.6	Solvent for Wood Preservatives and Insecticides; Heat Exchange Fluid
AROMATIC CONCENTRATE (A dark colored viscous liquid high in aromatics)	Viscosity (SSU 210°F) ..... 75 Flash (P-M) °F ..... 230+ Pour Point (°F) ..... 45 Pounds/Gallon (60°F) 8.9	Carbon Black, Dark Resins
AROMATIC TAR S-2	Viscosity (SSU 210°F) ..... 115 Flash (P-M) °F ..... 230+ Pounds/Gallon (60°F) 8.9	Resins, Protective Coatings

MISCELLANEOUS	TYPICAL INSPECTIONS	APPLICATIONS
CTLA POLYMER (A dark viscous liquid of high unsaturates content)	NVM (wt per cent) ..... 90 Iodine Number Cg/g ..... 255 Pounds/Gallon (60°F) ..... 8.3 Flash (COC) °F ..... 230+	Core Oils, Rubber Reclaiming, Hardboard Tempering Fluid
LP DISTILLATE (A clear yellow liquid rich in vinyl aromatics)	Pounds/Gallon (60°F) ..... 7.2 Distillation (°F) IBP ..... 223 FBP ..... 490 Flash (Tag Open Cup) °F 77	Resins, Aromatic Solvents

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CHEMICALS FOR INDUSTRY

MISCELLANEOUS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
NAPHTHENIC ACID (A dark liquid mixture of carboxylic acids with a range in molecular weights)	Pounds/Gallon (60°F) . . . . . 8.2 Acid No. (Mg KOH/g) . . . . . 180-189 Acid No. (Mg KOH/g) . . . . . 190-209 Acid No. (Mg KOH/g) 220-230	Paint Driers, Preservatives, Greases

BUTON RESINS

BUTON® RESINS—For Surface Coatings and Plastics

Buton 100, a low molecular weight (8,000-10,000) converting type butadiene-styrene copolymer is the basis for the Buton Resin series. Buton 200 and 300 are modifications containing additional polar reactive sites.

Tough protective coatings are developed at cure schedules from air-dry to high temperature flame curing. Blending with ureas, melamines, nitrocellulose, vinyls, alkyds and phenolics allows a wide range of specific property requirements to be obtained. Outstanding features of the cured coatings are excellent chemical and abrasion resistance, hardness, adhesion, flexibility and electrical properties. Principal suggestions for uses are wood and hard board finishes, metal primers and topcoats, can coatings, pipe coatings and a broad range of general product finishes.

New resins are currently under development for reinforced plastics, electrical encapsulation, and pressure molding.

BUTON 100	NVM (wt per cent) . . . . . 98.5 Pounds/Gallon . . . . . 7.65 Color (Gardner) max . . . . . 1 Viscosity (Gardner) 50 per cent in Varsol . . . . . C-E	Can and metal sheet coatings, potting, encapsulating.
BUTON 200	NVM (wt per cent) . . . . . 50 Pounds/Gallon (solution) . . . . . 7.7 Pounds/Gallon (solids) . . . . . 8.5 Viscosity (Gardner) . . . . . H-L Color (Gardner) max . . . . . 7 Acid Number 12	High-quality baking primers and topcoats, flame-cured protective coatings.
BUTON 300	NVM (wt per cent) . . . . . 45 Pounds/Gallon (solution) . . . . . 7.8 Pounds/Gallon (solids) . . . . . 8.5 Viscosity (Gardner) . . . . . E-H Color (Gardner) . . . . . 9 Acid Number 16	High-quality baking primers and topcoats, air-dry metal and wood finishes.

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CHEMICALS FOR INDUSTRY

MARKET DEVELOPMENT CHEMICALS	APPLICATIONS
Chemicals listed below are on a semi-commercial basis. Additional information may be obtained upon request.	
HEXADECYL ALCOHOL (A mixture of 16-carbon primary alcohols)	Detergents, Cosmetics, Metallurgical Oils, Synthetic Lubricants, Antifoams, Metal Extraction, Textile Chemicals
EICOSYL ALCOHOL (A mixture of 20-carbon primary alcohols)	Lubricants, Textile Chemicals, Detergents, Cosmetics, Plasticizers
ISO-OCTALDEHYDE (A mixture of 8-carbon aldehydes)	Amines, Polyols, Chemical Intermediates, Lubricants, Plasticizers, Drier Acids
ISO-DECALDEHYDE (A mixture of 10-carbon aldehydes)	Chemical Intermediates, Drier Acids, new Polyols and Bisphenols
3-METHYL BUTENE-1	Polymers Alkylation Chemical Intermediates
PIPERYLENE (1,3-Pentadiene)	Polymers Chemical Intermediates Diels-Alder Adduct
METHYLCYCLOPENTADIENE DIMER	Chemical Intermediates, Fuel Additives, High-Energy Fuels
CYCLODODECATRIENE (1,5,9-Butadiene Trimer)	Chemical Intermediates
META-XYLENE	Isophthalic Meta-toluic Acid Chemical Intermediates
MESITYLENE (1,3,5-Trimethyl Benzene)	Trimesic Acid Mesitol Tris (Chloromethyl) Mesitylene Chemical Intermediates, Dyes
DURENE (1,2,4,5-Tetramethylbenzene)	Pyromellitic Dianhydride, Polyesters, Fibers, Resins, Plasticizers

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CHEMICALS FOR INDUSTRY

ISOBUTYLENE POLYMERS

VISTANEX®

A completely saturated polymer unvulcanizable by itself, but frequently added to impart special properties of vulcanized compounds to other synthetic polymers and natural rubber. Also used in unvulcanized compositions, alone and in combinations. Outstanding properties include exceptional electrical properties, chemical inertness, high ozone resistance, low gas permeability, excellent aging, and high degree of tackiness. Soluble in hydrocarbon solvents. Principal uses include cable insulation compounds, pressure-sensitive adhesives, caulking and sealing compounds, additive to wax, asphalt and polyethylene.

ENJAY BUTYL RUBBER

A copolymer of isobutylene with a small proportion of isoprene to give a controlled, low degree of unsaturation. Processing is similar to that of natural rubber except that no premastication is required. Soluble in hydrocarbon solvents. Outstanding features include low permeability to gases; excellent resistance to ozone, weathering, heat, chemicals and tear; outstanding electrical properties. Principal uses are for tires, inner tubes, tire curing bags and bladders, molded parts for automotive, industrial and domestic appliance applications, electrical insulation, tank linings, hose and belting, adhesives, caulking and sealing compounds, and as an additive to wax, asphalt and polyethylene.

ENJAY BUTYL HT SERIES RUBBER

A new synthetic rubber where both chlorine and unsaturation are present in such a way that each may be utilized in vulcanization. The amount of each is small; however, they are sufficient to provide fast cure rates with conventional and new type of vulcanization systems. With its versatility of cure, it is found to be compatible with most other elastomers, such as butyl rubber, natural rubber, SBR, and neoprene. The outstanding property of this new polymer is its ability to resist heat up to 400°F. Other desirable properties are low compression set, good compression flexing, low permeability to gases, good tear strength, and good resistance to chemicals, oxidation, and ozone.

ENJAY BUTYL LATEX

The outstanding characteristics inherent in butyl are now available for the first time for application in the field of rubber latex. Superior gloss, brightness, softness and long-lasting flexibility for paper coating, textile finishing and emulsion paints formulation are some of the attributes which butyl latex can bring to a wide variety of products. Butyl latex can be readily compounded with pigments, fillers, thickeners, and tackifiers, and is compatible with a wide range of resin and elastomer emulsions. This high-solids, odorless, water emulsion has excellent freeze-thaw, mechanical and chemical stability.

NOTE:

New butyl rubber modifications providing faster vulcanization, very high ozone resistance, and combinations of both, are now available for market development. These may be used in many applications suggested above for Enjay Butyl Rubber where these enhanced properties are required.

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CHEMICALS FOR INDUSTRY

ESCON POLYPROPYLENE

ESCON® POLYPROPYLENE is a new thermoplastic resin produced by closely controlled continuous polymerization of propylene through a process developed by research associates of Enjay Company. With its outstanding combination of unusual properties, Escon promises to be one of the most valuable plastics in the industry. It offers the designer and processor unique opportunities through its extreme light weight, exceptional heat and chemical resistance, and electrical properties. Easily fabricated by all of the usual methods employed with thermoplastics. Escon is opening new possibilities in a variety of applications.

STRENGTH

Escon molded and extruded products feature high tensile strength, abrasion resistance, exceptional stiffness and surface hardness values despite the fact that polypropylene is the lightest of all thermoplastic resins. These qualities provide an extremely versatile material, permitting the designer of industrial and consumer articles exceptional freedom with respect to wall thickness and other design considerations.

ELECTRICAL PROPERTIES

Escon shows excellent electrical properties at all frequencies measured. This fact, coupled with its outstanding mechanical and thermal properties, makes polypropylene a valuable material. Low water absorption permits its use in electrical installations under adverse conditions of exposure and humidity.

HEAT RESISTANCE

The heat resistance of Escon is the highest of all commercially available polyolefins and is unsurpassed by plastics in its price range. High softening point, coupled with low water absorption, permit steam sterilization of fabricated materials.

CHEMICAL RESISTANCE

Since Escon is essentially inert by nature, it displays the excellent chemical resistance typical of hydrocarbon polymers. In addition, it shows no tendency towards stress-cracking in the presence of any reagent so far tested.

Although Escon is a comparatively new development in the plastics field, Enjay technicians and their research associates have already discovered wide application possibilities. Results of their tests and studies are available to designers and fabricators in determining how polypropylene can best serve a particular industrial application.

The new plastics wing of the Enjay Laboratories at Linden, N. J., is the most modern plastics laboratory in the country. All types of commercial plastics fabrication equipment are available to serve industry.

VARIOUS GRADES OF ESCON WILL BE OFFERED TO PERMIT THE PROCESSOR TO CHOOSE THE GRADE BEST SUITED FOR HIS NEEDS.

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CHEMICALS FOR INDUSTRY

PARAMINS—ADDITIVES FOR FUELS AND LUBRICANTS

PARANOX®

DETERGENT INHIBITORS provide oxidation stability and reduce deposit formation in diesel engines. Additives designed specifically for railroad, marine, Series 3, and other heavy duty lubricants.

PARANOX®

DETERGENT-DISPERSANT INHIBITORS for gasoline and diesel engine crank case oils and automatic transmission fluids. Additives which provide sludge dispersency and impart oxidation stability and anti-wear properties to lubricants.

PARATONE®

VISCOSITY INDEX IMPROVERS for crank case oils and automatic transmission fluids, improve viscosity and viscosity index with good sheer stability.

PARATONE®

MULTIFUNCTIONAL VISCOSITY INDEX IMPROVERS for crank case oils provide outstanding sludge dispersion and good pour depression as well as viscosity and viscosity index improvement.

PARAFLOW®

POUR DEPRESSANTS for lube oils insure oil flow in cold weather.

PARAFLOW®

DEWAXING AID for lube processing increases filter rate and dewaxed oil yields.

PARABAR®

OXIDATION AND RUST INHIBITORS produce long-lived industrial oils which have stability, rust inhibition, and demulsifying properties.

PARADYNE®

HEATING OIL AND FUEL IMPROVERS impart oxidation stability, anti-rust and pour depression to fuel oils.

PARADYNE®

GASOLINE FUEL IMPROVERS provide storage stability, anti-icing, rust inhibition and deposit modification properties in gasolines.

PARAPOID®

GEAR OIL ADDITIVES improve load-carrying and anti-weld properties of gear oils under extreme-pressure service conditions.

PARATAC®

LUBRICANTS TACKINESS AGENTS impart cohesiveness to any oil or grease.

PARAMIN MISCELLANEOUS PRODUCTS®

have been developed to solve many other performance and blending problems. Among these products are color stabilizers, cast and outer tone modifiers, oiliness agents and metal deactivators.

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CHEMICALS FOR INDUSTRY

ENJAY LABORATORIES OFFER TECHNICAL HELP IN THE APPLICATION OF ANY ENJAY PRODUCT

Enjay Laboratories, with the industry's most modern, most complete testing and research facilities, stand ready to give you any technical assistance you might need in the application of Enjay petrochemicals. For further information on Enjay products call or write any Enjay office.

ENJAY OFFICES:

Akron 13, Ohio	3020 West Market Street	TEmple 6-7911
Boston 17, Massachusetts	135 Clarendon Street	COpley 7-0355
Charlotte 4, North Carolina	207 Hawthorne Lane	FRanklin 6-5536
Chicago 1, Illinois	130 East Randolph Drive	RAndolph 6-3288
Detroit Area—Southfield, Michigan	17360 West Eight Mile Road	KEnwood 2-7113
Houston 25, Texas	110 East Holcombe Blvd.	JAckson 6-1007
Indianapolis 5, Indiana	300 East Fall Creek Blvd.	WAlnut 5-2381
Los Angeles 5, California	615 South Flower Street	MAdison 6-5664
New Orleans 5, Louisiana	1410 Canal Street	524-3461
New York 19, New York	15 West 51st Street	PLaza 7-4404
Plainfield, New Jersey	1024 South Avenue	Plainfield 7-3400
St. Louis Area—Clayton, Missouri	200 South Bemiston	PArkview 6-5933
Tulsa 1, Oklahoma	125 W. 3rd Street	LUther 2-4119

ENJAY CHEMICAL COMPANY

A DIVISION OF HUMBLE OIL & REFINING COMPANY

15 West 51st Street, New York 19, N. Y.

ENJAY

"ETHYL" CHEMICALS FOR INDUSTRY

*Available in Commercial Quantities**

ADDITIVES

CHEMICAL NAME	"ETHYL" PRODUCT NAME
Tetraethyl Lead	Antiknock Compound-TEL-Motor Mix
Tetraethyl Lead	Antiknock Compound-TEL-Aviation Mix
Tetraethyl Lead + Methylcyclopentadienyl Manganese Tricarbonyl	Antiknock Compound-TEL-Motor 33 Mix
Tetramethyl Lead	Antiknock Compound-TML-Motor Mix
Mixed Lead Alkyls	Antiknock Compound-MLA-Motor Mix
Tetraethyl Lead–Tetramethyl Lead (physical mixtures) in any ratio	Antiknock Compound-TELMEL-Motor Mix
Tris (chloroisopropyl) Thionophosphate	Ignition Control Compound 1
Mixed Methyl Phenyl Phosphates	Ignition Control Compound 3
Trimethyl Phosphate	Ignition Control Compound 4
Ethylene Dibromide	Ethylene Dibromide
Mixed Substituted Oleamides	Multi-Purpose Additive
N,N'-diasalicylidene-1,2-diaminopropane	Metal Deactivator
2,6-Di-tert-butylphenol	Antioxidant 701
4,4'-Methylenebis (2,6-di-tert-butylphenol)	Antioxidant 702
2,6-Di-tert-butyl-*a*-dimethylamino-p-cresol	Antioxidant 703
Mixed tert-butylphenols	Antioxidant 733
Zinc Dithiophosphate	Antioxidant ZDP
Primary Amyl Nitrate	Diesel Ignition Improver
Normal Propyl Nitrate	Monopropellant 1
Ethyl-Propyl Nitrate	Monopropellant 2
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red 100 Powder
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red 105 Granular
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red B—115 Powder
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red B—115 Granular
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red 116 Powder
Azobenzene-4-azo-2-naphthol (methyl derivatives)	Oil Soluble Dye—Red 116 Beaded
Benzene-azo-2-naphthol	Oil Soluble Dye—Orange Powder
Benzene-azo-2-naphthol	Oil Soluble Dye—Orange Flake
p-Diethylaminoazobenzene	Oil Soluble Dye—Yellow DE Granular
p-Dimethylaminoazobenzene	Oil Soluble Dye—Yellow Flake
1,4-Diisopropylaminoanthraquinone	Oil Soluble Dye—Blue No. 2 Powder
1,4-Diisopropylaminoanthraquinone	Oil Soluble Dye—Blue No. 2 Beaded
Mixture Azobenzene-4-azo-2-naphthol (methyl derivatives) and Benzene-azo-2-naphthol	Oil Soluble Dye—Bronze Powder

CHEMICALS

Triethyl Aluminum
Triethyl Aluminum—Diethyl Aluminum Hydride Mixture
Triisobutyl Aluminum
Tri-n-Propyl Aluminum
Trimethyl Aluminum
Triethyl—Trimethyl Aluminum Mixture
Diethyl Aluminum Chloride
Ethyl Aluminum Dichloride
Ethyl Aluminum Sesquichloride
Methyl Aluminum Sesquichloride
Sodium Metallic
Sodium-Lead Alloy
Ethyl Chloride
Ethylene Dichloride
Vinyl Chloride
Hydropolymer Oil
Ortho-tert-butylphenol
2,6-Di-tert-butylphenol
2-Methyl-6-tert-butylphenol

*Available in Development Quantities**

ADDITIVES

CHEMICAL NAME	"ETHYL" PRODUCT NAME
4,4'- Bis (2,6-di-tert-butylphenol)	Antioxidant 712
4,4'-Methylenebis (6-tert-butyl-o-cresol)	Antioxidant 720
4,4'-Thiobis (6-tert-butyl-o-cresol)	Antioxidant 736
2,6-Di-tert-butyl-*a*-methoxy-p-cresol	Antioxidant 762
Mixed Chlorinated Phosphorus Compounds	Extreme Pressure Additive 1
Mixed Chlorinated Phosphorus Compounds	Extreme Pressure Additive 2

CHEMICALS

Ortho-isopropylphenol
2,6-Diisopropylphenol
Ortho-ethylaniline
2,6-Diethylaniline
Ferrocene (Dicyclopentadienyl Iron)
Alpha-Sodio Sodium Acetate
Methyl Aluminum Sesquibromide

For further information, contact any of our offices below.

ETHYL CORPORATION, NEW YORK 17, N.Y. • CHICAGO • HOUSTON • TULSA • LOS ANGELES

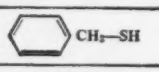
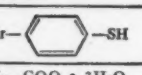
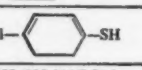
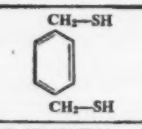
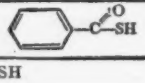
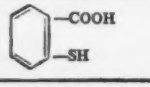
ETHYL CORPORATION OF CANADA LIMITED, TORONTO • **ETHYL U.S.A. (EXPORT)** NEW YORK 17, N.Y.

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World Headquarters for Organic Di-Valent Sulfur Compounds

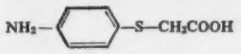
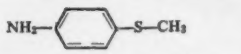
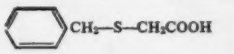
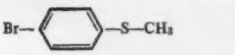
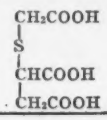
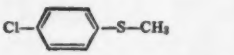
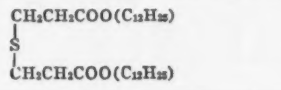
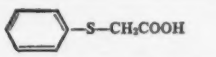
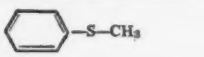
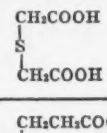
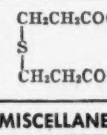
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R—SH COMPOUNDS and DERIVATIVES

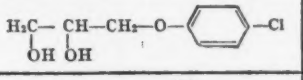
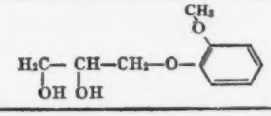
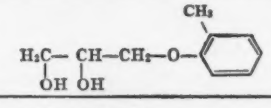
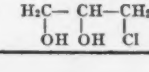
Ammonium Thioglycolate	$HS—CH_2COONH_4$	Aqueous Solution ..... 50-55% Thioglycolic Acid Content
Benzyl Mercaptan (α' Toluenthiol)		Mol. Wt. ..... 124.19 Boil Pt. ..... 194.5°C @ 760 mm Assay ..... 99% min
p-Bromothiophenol		Mol. Wt. ..... 189 Melt Pt. ..... 72-74°C Assay ..... 99% min
Calcium Thioglycolate	$S—CH_2—COO \cdot 3H_2O$ (Ca)	White Powder Assay ..... 94% min
p-Chlorothiophenol		Mol. Wt. ..... 144.61 Melt Pt. ..... 51.5°C Assay ..... 99% min
2-Diethylaminoethanethiol Hydrochloride	$HS—CH_2CH_2N(C_2H_5)_2 \cdot HCl$	Mol. Wt. ..... 169.73 Melt Pt. ..... 170°C min Assay (SH) ..... 96% min
α,α'-Dimercapto-p-Xylene		Mol. Wt. ..... 170 Melt Pt. ..... 46-47°C Boil Pt. ..... 138-42° C @ 3-4 mm Assay ..... 96% min
2-Dimethylaminoethanethiol Hydrochloride	$HS—CH_2CH_2N(CH_3)_2 \cdot HCl$	Mol. Wt. ..... 141.5 Melt Pt. ..... 156°C min Assay ..... 95% min
Glycol Dimercaptoacetate	$HS—CH_2COOCH_2$ $HS—CH_2COOCH_2$	Mol. Wt. ..... 210.26 Boil Pt. ..... 137-139° C @ 1-2 mm Assay ..... 95% min
Isooctyl 3-Mercaptoproprionate	$HS—CH_2CH_2COO(C_8H_{17})$	Mol. Wt. ..... 218 Boil Pt. ..... 109-112°C @ 1-2 mm Assay ..... 99% min
Isooctyl Thioglycolate	$HS—CH_2COO(C_8H_{17})$	Mol. Wt. ..... 204.42 Boil Pt. ..... 125° C @ 17 mm Assay ..... 98.5% min
2-Mercaptoethylamine Hydrochloride	$HS—CH_2CH_2NH_2 \cdot HCl$	Mol. Wt. ..... 113.61 Melt Pt. ..... 69°C min Assay ..... 96% min
3-Mercaptopropionic Acid	$HS—CH_2CH_2COOH$	Mol. Wt. ..... 106 Melt Pt. ..... 16.8°C Boil Pt. ..... 110.5-111.5°C@15mm Assay ..... 99% min
Monoethanolamine Thioglycolate	$HS—CH_2COONH_3CH_2CH_2OH$	Aqueous Solution ..... 40% Thioglycolic Acid Content
Sodium Thioglycolate	$HS—CH_2COONa$	1) White Powder Assay ..... 95% min 2) Aqueous Solution ..... 50% Thioglycolic Acid Content
Thiobenzoic Acid		Mol. Wt. ..... 138.11 Melt Pt. ..... 20°C Assay ..... 95% min
1-Thioglycerol THIOVANOL®	$CH_2—SH$ $CHOH$ CH_2OH	Mol. Wt. ..... 108.2 Boil Pt. Anhydous ..... 118° C @ 5 mm Assay, Aqueous Solution 90%
Thioglycolic Acid THIOVANIC ACID®	$HS—CH_2COOH$	Mol. Wt. ..... 92.11 Aqueous Solution ..... 68-72% Concentrated Grade: Boil Pt. ..... 96° C @ 5 mm Assay 98-99%
Thiolactic Acid (2-Mercaptopropionic Acid)	$HS—CH_2COOH$ CH_3	Mol. Wt. ..... 106 Boil Pt. ..... 85°C @ 5 mm Assay ..... 95% min
Thiomalic Acid	$HS—CHCOOH$ CH_2COOH	Mol. Wt. ..... 150.15 Melt Pt. ..... 150°C min Assay ..... 97% min
Thiosalicylic Acid (o-Mercaptobenzoic Acid)		Mol. Wt. ..... 154.19 Melt Pt. ..... 164°C min Assay ..... 95% min

Inquiries are invited regarding your commercial requirements for other organic sulfur compounds.

R—S—R' COMPOUNDS and DERIVATIVES

p-Aminophenylmercaptoacetic Acid		Mol. Wt. ..... 183.23 Melt Pt. ..... 186-187°C
p-Aminothioanisole		Mol. Wt. ..... 139.2 Boil Pt. ..... 115-117°C @ 1 mm
S-Benzylthioglycolic Acid		Mol. Wt. ..... 182 Melt Pt. ..... 52-54°C Assay ..... 98% min
p-Bromothioanisole		Mol. Wt. ..... 203 Melt Pt. ..... 38-39°C Assay ..... 98% min
Carboxymethylmercaptosuccinic Acid EVANACID 3CS®		Mol. Wt. ..... 208.2 Melt Pt. ..... 136-138°C Assay ..... 98% min (dry basis)
p-Chlorothioanisole		Mol. Wt. ..... 158.7 Melt Pt. ..... 18°C Boil Pt. ..... 125°C @ 30 mm Assay ..... 98% min
Dilauryl Thiodipropionate		Mol. Wt. ..... 514 (approx.) Melt Pt. ..... 37-40°C Acid No. ..... Less than 1
Phenylmercaptoacetic Acid (Carboxythioanisole)		Mol. Wt. ..... 168.2 Melt Pt. ..... 63°C min Assay ..... 98.5% min
Thioanisole		Mol. Wt. ..... 124 Boil Pt. ..... 72°C @ 15 mm Assay ..... 98% min
Thiodiglycolic Acid		Mol. Wt. ..... 150 Melt Pt. ..... 128°C min Assay ..... 98.5% min
Thiodipropionic Acid		Mol. Wt. ..... 178 Melt Pt. ..... 128-130°C min Assay ..... 99% min

MISCELLANEOUS ORGANIC COMPOUNDS

Chlorphenesin (3-p-Chlorophenoxy-1,2-propanediol)		Mol. Wt. ..... 202.64 Melt Pt. ..... 77-79°C
Guaiacol Glyceryl Ether		Mol. Wt. ..... 198.21 Melt Pt. ..... 78.5-79°C
Mephenesin (3-o-Toloxy-1,2-propanediol)		Mol. Wt. ..... 182.2 Melt Pt. ..... 70-72°C
a-Monochlorhydrin (3-chloro-1,2-propanediol)		Mol. Wt. ..... 110.54 Boil Pt. ..... 139°C @ 18 mm Assay 98%

EVANS

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Barges carrying liquid sulphur head up the Mississippi River

NEW LIQUID SULPHUR SERVICE HELPS USERS CUT HANDLING LOSSES

With the inauguration of new terminals on the inland waterways, in Florida and along the Atlantic seaboard, Freeport now offers customers a greatly expanded service in the delivery of liquid sulphur.

More and more, consumers are changing over to receiving sulphur in liquid form rather than the traditional solid lump form.

The benefits are tangible. With liquid sulphur you *eliminate* remelting costs, handling losses, dust and dust-causing corrosion, stockpile erosion and contamination.

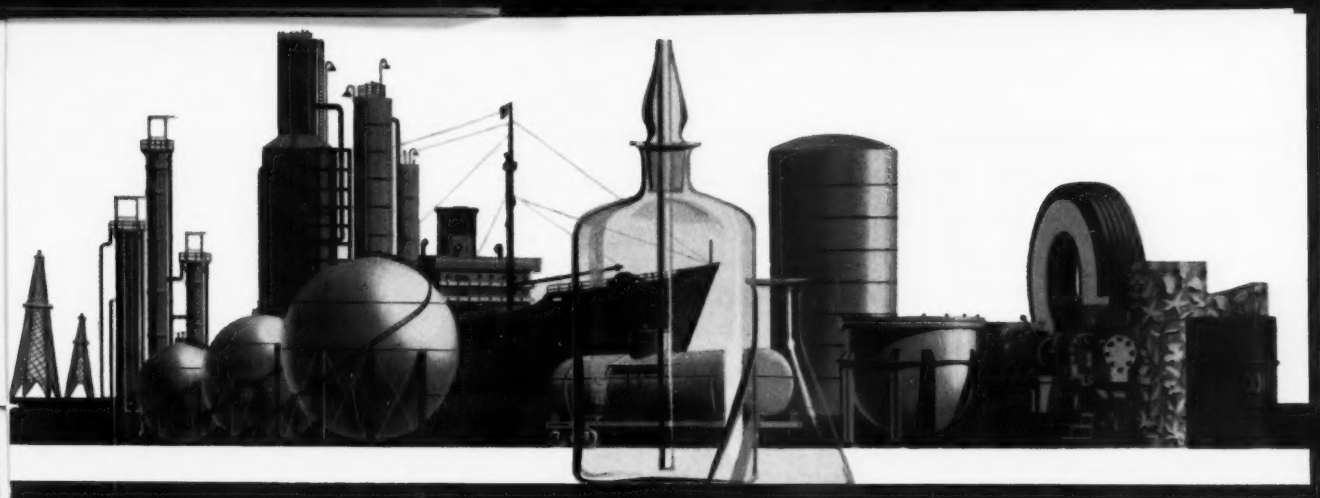
Upon request, Freeport will be glad to survey the feasibility and advantages of converting to liquid sulphur at your plant.

FREEPORT SULPHUR COMPANY

161 East 42nd Street, New York 17, New York



THE LOUISIANA SULPHUR unloads liquid at the Tampa, Florida, terminal



GULF

Quality Petrochemicals to Begin With

Petrochemicals Department, Gulf Oil Corporation, Gulf Building, Pittsburgh 30, Pennsylvania

Sales Offices: 360 Lexington Avenue, New York 17, New York • Gulf Building, Houston 1, Texas
European Representative: Gulf House, 2 Portman Street, London W.1, England

The petrochemicals listed and described in this bulletin are those Gulf is producing commercially at the time of publication. If you need or expect to need other chemical raw materials obtainable from petroleum, we will be pleased to discuss with you Gulf's facilities for producing them.

ETHYLENE (C_2H_4)

DESCRIPTION

Ethylene, the basic olefin hydrocarbon, is the largest volume organic chemical in use today. This highly reactive monoolefin, an odorless gas, is suitable for polymerization, hydration, oxidation, halogenation and other olefinic reactions.

TYPICAL ANALYSIS

Ethylene: Mol %	99.9
Ethane: Mol %	0.1
Methane: Mol %	nil
Propylene and Heavier: PPM (by Vol.)	33
Carbon Dioxide: PPM (by Vol.)	20
Acetylene: PPM (by Wt.)	12
Sulfur: PPM (by Wt.)	4
Water: PPM (by Wt.)	< 1
Carbon Monoxide: PPM (by Vol.)	< 5
Oxygen: PPM (by Wt.)	< 1
Hydrogen: PPM (by Wt.)	< 1

AVAILABILITY

Pipeline (extending 150 miles along Gulf coast) and tube trailer. Produced at Port Arthur, Texas.

USES

Ethyl alcohol, polyethylene, styrene, ethylene oxide, ethylene glycol, perchlorethylene, ethyl chloride, ethylene dichloride.

HEPTENES (C_7H_{14})

DESCRIPTION

A narrow boiling C_7 olefin fraction produced by catalytic polymerization of propylene and butylene. GULF HEPTENES, a liquid, comprises highly reactive monoolefins suitable for alkylation and other olefinic reactions.

TYPICAL PROPERTIES

Gravity: °API		67.6
Sp. Gr., 15.56°/15.56°C. (60°/60°F.)		0.711
Color, Saybolt		+25
Sulfur: %		0.003
Bromine Number, ASTM D1159		158
Hydrocarbon Type Analysis, FIA, ASTM D 1319		
Aromatics: % by Vol.		nil
Olefins: % by Vol.		95.8
Saturates: % by Vol.		4.2
Distillation, ASTM D1078		
Initial Boiling Point: °F. (°C.)	189.5	(87.5)
Dry Point: °F. (°C.)	201.0	(93.8)

AVAILABILITY

Tank car. Produced at Philadelphia, Pennsylvania, and Cincinnati, Ohio.

USES

Lube oil additives, catalysts, surfactants.

PROPYLENE (C_3H_6)

DESCRIPTION

A C_3 hydrocarbon fraction; a highly volatile liquid produced in catalytic cracking operations.

TYPICAL ANALYSIS

Propylene purity is in the range of 60 to 70%; remainder is principally propane.

AVAILABILITY

Tank car and tank truck. Produced at Port Arthur, Texas and Philadelphia, Pennsylvania.

USES

Isopropanol, propylene polymers, cumene, propylene oxide, propylene glycol.

TRIPROPYLENE (C_9H_{18})

DESCRIPTION

A narrow boiling C_9 olefin fraction obtained from catalytic polymerization of propylene. GULF PROPYLENE TRIMER, a liquid, is a highly reactive monoolefin, low in peroxides and sulfur, suitable for alkylation and other olefinic reactions.

TYPICAL PROPERTIES

Sp. Gr., 20°/20°C. (68°/68°F.)		0.742
Lb./Gal., 60°F.		6.20
Color, ASTM D1209		5
Sulfur: PPM		1
Aldehydes		nil
Peroxides		nil
Unsaturates, ASTM D1319: % by Vol.		100
Distillation, ASTM D1078		
Initial Boiling Point: °C. (°F.)	139	(283)
Dry Point: °C. (°F.)	145	(293)

AVAILABILITY

Barge or tank car. Produced at Port Arthur, Texas.

USES

Oxo feed stock, nonyl phenol, lube oil additives, plasticizers.

TETRAPROPYLENE ($C_{12}H_{24}$)

DESCRIPTION

A narrow boiling range C_{12} olefin fraction obtained from catalytic polymerization of propylene. GULF PROPYLENE TETRAMER, a liquid, is a highly reactive monoolefin, low in peroxides and sulfur, suitable for alkylation and other olefinic reactions.

TYPICAL PROPERTIES

Sp. Gr., 20°/20°C. (68°/68°F.)		0.770
Lb./Gal., 60°F.		6.44
Color, ASTM D1209 (Mod.)		10
Sulfur: PPM		2
Peroxide No.		nil
Unsaturates, ASTM D1319: % by Vol.		100
Distillation, ASTM D850 (Mod.)		
Initial Boiling Point: °C. (°F.)	187	(369)
Dry Point: °C. (°F.)	197	(387)

AVAILABILITY

Barge or tank car. Produced at Port Arthur, Texas.

USES

Dodecyl benzene, lube oil additives, plasticizers.

BENZENE (C_6H_6)

DESCRIPTION

Benzene is the basic aromatic hydrocarbon and the second largest volume organic chemical in use today. GULF BENZENE, a water white liquid, is nitration grade and thiophene-free. It meets ASTM Specification D835 and can be readily alkylated, halogenated, nitrated and sulfonated.

TYPICAL PROPERTIES

Sp. Gr., 15.56°/15.56°C. (60°/60°F.)		0.884
Solidification Point: °C. (°F.)	5.54	(42.0)
Acid Wash Color		1–
Hydrogen Sulfide Test		negative
Sulfur Dioxide Test		negative
Acidity		nil
Benzene, ASTM D1016: Mole %		99.90
Distillation, ASTM D850		
Initial Boiling Point: °C. (°F.)	79.9	(175.8)
Dry Point: °C. (°F.)	80.5	(176.9)

AVAILABILITY

Tank car, barge and vessel quantities. Produced at Port Arthur, Texas.

USES

Styrene, phenol, cyclohexane, detergent alkylate, aniline, insecticides, maleic anhydride, solvents.

TOLUENE ($C_6H_5CH_3$)

DESCRIPTION

An aromatic hydrocarbon, methyl benzene; a water white liquid. GULF TOLUENE is narrow boiling, low in paraffins, free of sulfides and mercaptans and meets ASTM Specification D841, Mil. Spec. JAN. T-171, Fed. Spec. TT-T-548.

TYPICAL PROPERTIES

Sp. Gr., 15.56°/15.56°C. (60°/60°F.)		0.871
Color, ASTM D853		passes
Acid Wash Color, ASTM D848		passes
Sulfur Compounds, ASTM D853		nil
Acidity, ASTM D847		nil
Aromatic Content, ASTM D875: % by Vol.		98.6
Distillation, ASTM D850		
Initial Boiling Point: °C. (°F.)	110.2	(230.4)
Dry Point: °C. (°F.)	110.8	(231.5)

AVAILABILITY

Barge or tank car. Produced at Port Arthur, Texas.

USES

Aviation gasoline, explosives, pharmaceuticals, lube oil additives, varnishes, rubber cements, solvents.

CYCLOHEXANE (C_6H_{12})

DESCRIPTION

A saturated cyclic paraffin; a water white liquid. GULF CYCLOHEXANE is an exceptionally high purity product, derived by catalytic hydrogenation of benzene.

TYPICAL PROPERTIES

Sp. Gr., 15.56°/15.56°C. (60°/60°F.)		0.784
Color, Saybolt, ASTM D156		30+
Copper Corrosion, 3 Hrs. at 122°F. ASTM D130		passes
Cyclohexane, Freezing Point Method: % by Wt.		99.95
Benzene, U-V Analysis: % by Wt.		nil
High Boiling Hydrocarbons: % by Wt.		0.02
Sulfur: % by Wt.		0.0004
Distillation, ASTM D1078		
Initial Boiling Point: °C. (°F.)	80.6	(177.1)
Dry Point: °C. (°F.)	81.0	(177.8)

AVAILABILITY

Tank car and barge. Produced at Port Arthur, Texas.

USES

Caprolactam (Nylon 6), adipic acid (Nylon 6/6), catalyst solvent, oil extraction.

ISOOCTANOL ($C_7H_{15}CH_2OH$)

DESCRIPTION

A narrow boiling C_8 primary alcohol made from selected C_7 olefins. Principal isomers are the dimethyl hexanols. GULF ISOOCTYL ALCOHOL is essentially free of water, aldehyde and olefin. Strict quality control of feedstock and process assures consistent uniformity. Readily esterifies with mono and dibasic acids.

TYPICAL PROPERTIES

Sp. Gr., 20°/20°C. (68°/68°F.)		0.833
Color, APHA		5
Phthalation Color, APHA		20
Refractive Index, n 20/D		1.4313
Sulfur: PPM		2
Water: % by Wt.		0.06
Acidity as Acetic Acid, ASTM D268: % by Wt.		0.001
C_8 Carbonyl Content, % by Wt.		0.010
Distillation, ASTM D1078:		
Initial Boiling Point: °C. (°F.)	185.0	(365.0)
Dry Point: °C. (°F.)	188.5	(371.3)

AVAILABILITY

Tank car and tank truck quantities. Produced at Port Arthur, Texas, and Philadelphia, Pennsylvania.

USES

Vinyl plasticizers, synthetic lubricants, petroleum additives, solvents.

Continued

DECANOL ($C_9H_{19}CH_2OH$)

DESCRIPTION

A narrow boiling C_{10} primary alcohol made from high purity nonenes. Principal isomers are the dimethyl octanols. GULF DECYL ALCOHOL is essentially free of water, aldehyde and olefin. Readily esterfies with mono and dibasic acids.

TYPICAL PROPERTIES

Sp. Gr., 20°/20°C. (68°/68°F.)		0.839
Color, APHA		3
Phthalation Color, APHA		20
Refractive Index, n 20/D		1.4391
Sulfur: PPM		1
Water: % by Wt.		0.07
Acidity as Acetic Acid, ASTM D268: % by Wt.		0.001
C_{10} Carbonyl Content, % by Wt.		0.006
Distillation, ASTM D1078:		
Initial Boiling Point: °C. (°F.)	216.5	(421.9)
Dry Point: °C. (°F.)	219.8	(426.7)

AVAILABILITY

Tank car and tank truck quantities. Produced at Philadelphia, Pennsylvania.

USES

Plasticizers, synthetic lubricants, petroleum additives, herbicides, surface active agents, solvents.

SULFUR

DESCRIPTION

GULF SULFUR is a high purity grade of molten sulfur derived from petroleum gases.

TYPICAL PROPERTIES

Sp. Gr., 15.56°/15.56°C. (60°/60°F.)	2.0314
Melting Point, Capillary Tube: °F.	251
Physical State	crystalline solid
Color, Solid State	yellow
Sulfur: % by Weight	99.97
Moisture: % by Weight	0.02
Organic Impurities: % by Weight	< 0.01
Ash: % by Weight	< 0.01

AVAILABILITY

Tank car and tank truck. Produced at Port Arthur, Fashing and Waddell, Texas, and Philadelphia, Pennsylvania.

USES

Sulfuric acid, pulp and paper, agricultural fungicides, carbon disulfide, rubber vulcanization.

GULF TRIDECYL ALCOHOL ($C_{12}H_{25}CH_2OH$)

This primary C_{13} alcohol will be available commercially in mid 1961 at Philadelphia, Pennsylvania.

GULF CUMENE ($C_6H_5CH(CH_3)_2$)

Cumene, isopropyl benzene, will be available commercially in mid 1962 from a new plant at Philadelphia, Pennsylvania.

OTHER CHEMICAL BUILDING BLOCKS

The GULF PETROCHEMICALS listed and described in this bulletin are those in commercial production at the time of publication. If you need or expect to need other chemical raw materials obtainable from petroleum, we will welcome the opportunity to discuss your requirements.

GULF TECHNICAL SERVICE FACILITIES

Technical help is an essential part of the service you get from Gulf. Gulf's research and testing laboratories, plus an experienced field staff, are always available to help solve your raw material problems. We invite your inquiries.

DEVELOPMENT CHEMICALS

A number of other chemical materials are available from our research laboratories in developmental quantities. Write for information on:

amylenes	tetradecene-1	isoprene
hexene-1	hexadecene-1	isooctyl amine
octene-1	octadecene-1	diisooctyl amine
decene-1	hexyl alcohol	triisooctyl amine
dodecene-1	benzophenone-dicarboxylic acid	isooctanoic acid

Petrochemicals Department, Gulf Oil Corporation, Gulf Building, Pittsburgh 30, Pennsylvania

Sales Offices: 360 Lexington Avenue, New York 17, New York • Gulf Building, Houston 1, Texas
European Representative: Gulf House, 2 Portman Street, London W.1, England

Information contained herein is based on reliable technical and laboratory data and is believed to be accurate. However no warranty of results is implied, as we cannot be responsible for operations not under our own control.



HOOKER CHEMICALS

This condensed general products list includes chemicals produced and marketed by the several chemical divisions of Hooker Chemical Corporation. They are: Eastern Chemical Division, Western Chemical Division, and Phosphorus Division. Also included are products available in semi-commercial quantities (Market Development) and those available in research or pilot plant quantities (Product Development). For further information contact the Hooker office nearest you. Complete addresses are listed on Pages 14 and 16 of this Section.

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. No warranty or guarantee express or implied is made regarding the performance or stability of any product, since the manner of use and conditions of storage and handling are beyond our control. No suggestion for product use, nor anything contained herein, shall be construed as a recommendation for its use in infringement of any existing patent.

All data given herein are typical unless otherwise specified as maximum or minimum.

REFERENCE LIST OF HOOKER CHEMICALS

Alkali, Special
Ammonia
Antimony Pentachloride
Antimony Trichloride
Arsenic Trichloride
Benzoic Acid
Benzotrichloride
Benzotrifluoride
Benzoyl Chloride
Benzyl Chloride
Bottle Cleaners
Butyryl Chloride
Calcium Hypophosphite
Caprylyl Chloride
Carbonate of Potash
Caustic Potash
Caustic Soda
Chlorendic Acid (see Het® Acid)
Chlorinated Paraffin
Chlorine
meta-Chlorobenzotrifluoride
ortho-Chlorobenzotrifluoride
para-Chlorobenzotrifluoride
ortho-Dichlorobenzene
para-Dichlorobenzene
Diphenyldecyl Phosphite
Fluorolubes®
Het® Acid
Hexachlorocyclopentadiene
Lauryl Chloride
Lauryl Mercaptan
Lauryl Pyridinium Chloride
Methylchloromethyl Ether
Methyl Dichlorostearate
Monochlorobenzene
Monochlorotoluene
Muriatic Acid
meta-Nitrobenzoyl Chloride
para-Nitrobenzoyl Chloride
Oxalic Acid
Perchlorethylene
Phenol
Phenyldidecyl Phosphite
Phosphoric Anhydride
Phosphorous Acid
Phosphorus, Yellow
Phosphorus, Red
Phosphorus Oxychloride
Phosphorus Pentachloride
Phosphorus Pentasulfide
Phosphorus Sesquisulfide
Phosphorus Trichloride
Piperidine
Plasticizer, MPS® 500
Potassium Chlorate
Potassium Perchlorate
Sodium Benzoate
Sodium Chlorate
Sodium Hypophosphite
Sodium Sulfhydrate
Sodium Sulfide
Sodium Tetrasulfide
Sulfur Dichloride
Sulfur Monochloride
Sulfuryl Chloride
Tetrachlorobenzene, 1, 2, 4, 5-
Tetrachlorophthalic Anhydride
Thionyl Chloride
Trichlorethylene
Trichlorobenzene
Tridecyl Phosphite
Triphenyl Phosphite
Virgo® Salts
Zinc Phosphide

MARKET DEVELOPMENT CHEMICALS

Alkyl Acid Phosphates
Dioctyl Hydrogen Phosphite
Dipentite (TM)
Diphenyl Hydrogen Phosphite
Hypophosphorous Acid
n-Octyl Mercaptan
Pentite (TM)
iso-Phthaloyl Chloride
tere-Phthaloyl Chloride
Sulfur Dichloride (95)
THPC®
Trilauryl Trithiophosphite
Trimethyl Phosphite
Trioctyl Phosphite

DEVELOPMENT CHEMICALS

Benzyl Mercaptan
1, 2-Dichlorohexafluorocyclopentene-1 (C-26) (TM)
Hexachloro-2-cyclopentenone
Het® Diol
Perchloropentacyclodecane
Tetrachlorothiophene
Triallyl Phosphate

PHOSPHORUS DIVISION

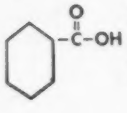
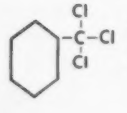
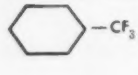
Dicalcium Phosphate
Disodium Phosphate
Ferrophosphorus
HY-PHOS (TM) patented glassy phosphate
Phosphate Feed Solution
Phosphatic Fertilizer Solution
Phosphoric Acids
POLLYPHOS® (defluorinated phosphate)
Sodium Hexametaphosphate
Sodium Tripolyphosphate
Tetrapotassium Pyrophosphate
Tetrasodium Pyrophosphate
Trisodium Phosphate

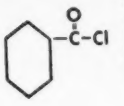
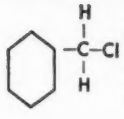
HOOKER CHEMICAL CORPORATION
1200 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.

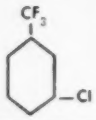
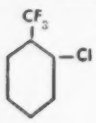
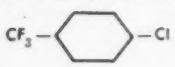
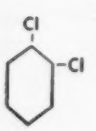
SALES OFFICES: BUFFALO • CHICAGO • DETROIT • HOUSTON • JEFFERSONVILLE
LOS ANGELES • NEW YORK • NIAGARA FALLS • PHILADELPHIA • TACOMA • WORCESTER

HOOKER CHEMICALS® PLASTICS

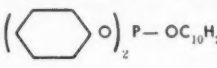
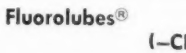
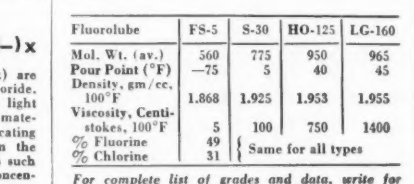
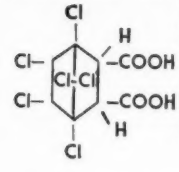
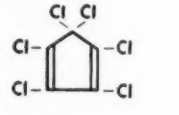
HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Alkali, Special, 928 Phosphated alkali.	White flake material.	Bottle washing compound. Steel drums ..... 400 lbs. net
Ammonia, NH_3 **Anhydrous** **Aqua ammonia, 29.4%** Colorless liquid under pressure in anhydrous form; colorless gas at ordinary pressure and temperature. Readily dissolves in water to form aqua ammonia (NH_4OH). Hooker ammonia is of standard market quality.	Mol. Wt. ..... 17.032 F. P. at 1 atm. ..... −77.7°C B. P. at 1 atm. ..... −33.35°C Critical temp. ..... 132.4°C Critical press.. 1657 lbs. per sq. in., abs.	Sulfite pulp cooking. In the fertilizer industry for direct soil application and production of calcium and sodium nitrate; ammonium sulfate, nitrate, and phosphate; ammoniated superphosphates, urea, and aqueous ammonia. Required in the manufacture of military explosives, soda ash, nitric acid, nylon, plastics, lacquers, dyes, rubber, and other products. *Anhydrous:* Tank cars and tank trucks *Aqua:* Tank cars, tank trucks and barges Available from Tacoma, Washington
Antimony Pentachloride **$SbCl_5$** Light brown to brown liquid. Reacts with moisture and fumes in contact with atmosphere.	Mol. Wt. ..... 299.05 $SbCl_5$, Typical ..... 99% F. P. ..... 0 ± 2°C	As a chlorinating agent in organic synthesis and dye manufacture and as a catalyst. 10-gal. steel drums ..... 185 lbs. net
Antimony Trichloride, Anhydrous **$SbCl_3$** **(antimonous chloride)** Yellowish crystalline solid cast into container. Also available in "selected grade." Very hygroscopic; corrosive; soluble in water, alcohols, acids, benzene, chlorobenzene.	Mol. Wt. ..... 228.1 Antimony Trichloride ..... 99% Iron and Arsenic ..... 1% Max. Lead ..... 0% M. P. ..... 73.4°C	In the petroleum industry with aluminum chloride, as a catalyst to convert normal butane to isobutane; in various hydrocarbon oil treatments. Catalyst for organic synthesis, especially dyes and pharmaceuticals; in preparation of antimony salts; as a reagent in preparation of Vitamin A; as a mordant in cotton printing; in metal treating processes such as antimony plating, bronzing iron, etc. 5-gal. pails ..... approx. 100 lbs. net
Arsenic Trichloride, Anhydrous **$AsCl_3$** **(arsenious chloride)** Clear, almost colorless to pale yellow, heavy liquid. Fumes in moist air. Corrosive. Reacts with water; soluble in alcohol, ether.	Mol. Wt. ..... 181.3 F. P. ..... −18°C B. P. ..... 130.2°C Flash Point ..... None Fire Point ..... None Sp. Gr., 14°/4°C 2.163	In manufacture of synthetic organics containing arsenic; insecticides, poison gases. 20-gal. steel drums ..... 350 lbs. net 55-gal. steel drums ..... 1000 lbs. net
Benzoic Acid, U.S.P. and Tech. **(phenylformic acid)**  White crystalline solid available in U.S.P. or technical grade. Very slightly soluble in water, soluble in alcohol and ether.	Mol. Wt. ..... 122.1 M. P. ..... 122.0°C *U.S.P. Grade* Form ..... Crystal or Powder Benzoic Acid ..... 99.5% Min. Water ..... 0.2% Max. *Technical Grade* Form ..... Crystal or Powder Benzoic Acid ..... 99.0% Min. Water ..... 0.2% Max.	Dyestuff intermediate in manufacture of certain aniline and anthraquinone dyes; manufacture of perfumes and pharmaceuticals; manufacture of benzoates, preservative for foods, cosmetic creams and lotions, antiseptics, dentifrices; used as a modifier in urea formaldehyde resins; used in manufacture of paint filler and in pigment grinding. Dyeing assistant for polyglycol terephthalate fibers (Dacron). Polyethylene lined fiber drums ..... 100 and 200 lbs. net
Benzotrichloride **(toluene trichloride)**  Clear, colorless liquid, strongly irritating to eyes and skin. Soluble in ether and benzene; reacts with water and alcohol.	Mol. Wt. ..... 195.5 F. P. ..... −5°C Dist. R. ..... 219° to 223°C Sp. Gr., 15.5°/15.5°C ..... 1.380 Purity ..... 99.0% Min.	In organic synthesis and preparation of dyestuffs; source of benzenyl group. 13-gal. glass stoppered carboys ..... 140 lbs. net 55-gal. steel drums ..... 600 lbs. net
Benzotrifluoride  Clear, colorless, flammable liquid characterized by the trifluoromethyl group.	Mol. Wt. ..... 146.1 Assay ..... 98.0% Min. F. P. ..... −28.5°C B. P. ..... 102°C	Intermediate for dyestuffs and pharmaceuticals. See Bulletin 12-A. 55-gal. drums ..... 530 lbs. net

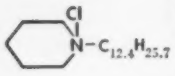
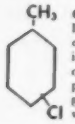
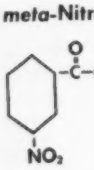
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Benzoyl Chloride  Clear, colorless liquid with a sharp characteristic odor; fumes when exposed to moist air. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 140.5 F. P. ..... —0.9°C B. P. ..... 197.3°C Sp. Gr., 15.5°/15.5°C ..... 1.219 R. I., n20/D ..... 1.5536 Flash Point ..... 72°C Fire Point ..... 85°C Benzoyl Chloride ..... 99.0% Min.	As a highly reactive acid chloride, it may be used to introduce the benzoyl group into organic compounds, especially through Friedel-Crafts reactions. It is used in the manufacture of synthetic perfumes, pharmaceuticals, dyes and resins. 13-gal. glass stoppered carboys ..... 125 lbs. net 55-gal. lacquer-lined steel or nickel drums ..... 535 lbs. net Tank cars and tank trucks
Benzyl Chloride (alpha chlorotoluene)  Clear, colorless to light yellow liquid having a pungent odor. Infinitely miscible with alcohol and ether; immiscible with water. It is strongly irritating to the eyes and skin.	Mol. Wt. ..... 126.5 F. P. ..... —43°C Dist. R. ..... 2° incl. 179.4°C Sp. Gr., 15.5°/15.5°C ..... 1.107 R. I., n25/D 1.5365	In manufacture of chemical intermediates, dyestuffs, perfume bases, plasticizers, resins, wetting agents, rubber accelerators, gasoline gum inhibitors, pharmaceuticals. 13-gal. glass stoppered carboys ..... 115 lbs. net 55-gal. steel or nickel drums ..... 475 lbs. net *When shipped in steel drums, 27 lbs. of a 7.5% Na_2CO_3 solution is added to prevent contamination through corrosion of the drums. The 27 lbs. of soda solution are included in the tare of the drums.*
Bottle Cleaners, Liquid Caustic Soda solution modified with gluconic acid.	Typical Analysis (50% liquid basis) *NaOH* / *Gluconic Acid* Cleaner 973 ..... 97% / 3% Cleaner 955 ..... 95% / 5%	Used primarily as bottle washing compounds. Tank cars and tank trucks
Butyryl Chloride (butanoyl chloride) C_3H_7COCl Clear, colorless liquid of characteristic pungent acid chloride odor. It reacts with alcohol and water; infinitely miscible in ether.	Mol. Wt. ..... 106.5 F. P. ..... —89°C Dist. R. (95%) ..... 100° to 110°C Sp. Gr., 15.5°/15.5°C ..... 1.028 R. I., n20/D 1.4121	Organic synthesis, to introduce butyryl group. 13-gal. glass stoppered carboys ..... 100 lbs. net 55-gal. nickel drums ..... 430 lbs. net
Calcium Hypophosphite $Ca(H_2PO_2)_2$ N.F. grade; small white crystals moderately soluble in water. Decomposes when heated.	Mol. Wt. ..... 170 M. P. ..... Decomposes at about 340°C, evolving spontaneously flammable phosphine. B. P. ..... Decomposes	In medicinals; in preparation of other salts; organic synthesis. Fiber drums ..... 25 and 50 lbs. net
Caprylyl Chloride (octanoyl chloride) $CH_3(CH_2)_6COCl$ Clear, water-white to straw-colored liquid with characteristic pungent odor. It contains small amounts of hexanoyl and decanoyl chlorides. It is fairly stable below the boiling point. Miscible in most common solvents; reacts with alcohol and water.	Mol. Wt. ..... 162.7 F. P. ..... Below —70°C Dist. R. (90%) ..... 183° to 212°C Sp. Gr., 15.5°/15.5°C ..... 0.955 R. I., n20/D ..... 1.4357 Flash Point ..... 82°C Fire Point ..... 87°C	In chemical synthesis. 13-gal. carboys ..... 100 lbs. net 55-gal. nickel drums ..... 350 lbs. net
Carbonate of Potash (potassium carbonate) K_2CO_3 Liquid ..... 47% to 52% Hydrate ..... 83.5% to 84% Calcined ..... 99.2% to 99.6%	For detailed physical data, and safety and handling information, refer to booklet, "Caustic Potash — Carbonate of Potash."	The high purity of Hooker Carbonate of Potash has made it acceptable for use by many industries, particularly for glasses such as optical, plate, tableware, television tubes, etc.; for preparing many organic potassium compounds and inorganic potassium salts; textile dyeing, etc. *Liquid:* 55-gal. steel drums ..... 660 lbs. net Tank cars and tank trucks *Hydrate and calcined:* Bags, fiber drums, barrels and bulk
Caustic Potash (potassium hydroxide) KOH *Standard Grade* Liquid ..... 45% to 52% Flake and Solid ..... 85% and 90% Other forms ..... 90% *Low Chloride* Liquid ..... 45% to 52% Flake 85%	For detailed physical data, and safety and handling information, refer to booklet, "Caustic Potash — Carbonate of Potash."	In manufacture of soap, liquid detergents, potash glasses, inorganic potassium salts and organic potassium compounds; miscellaneous uses in many other industries. *Liquid:* 55-gal. steel drums, tank cars and tank trucks *Solid:* Steel drums ..... 700 lbs. net *Flake and other dry forms:* Steel drums ..... 100, 200, 400, 450 lbs. net

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Caustic Soda (sodium hydroxide) NaOH Liquid — 50%, 73% and special grades Solid Regular Flake Fine Flake Crystal Flake	Mol. Wt. ..... 40 Sp. Gr., at 15.5°/4°C ..... 2.130 M. P. ..... 318°C B. P. ..... 1390°C Latent Heat of Fusion ..... 40 Cal/gm	In manufacture of viscose rayon, paper pulp, soap, chemical intermediates, dyes, drugs, cosmetics, water softening compounds; for reclaiming rubber, tin, aluminum and paper; in bleaching, dyeing and printing textiles, and mercerizing cotton; in food processing, petroleum refining; many other industries and processes. *Liquid:* Steel drums, tank cars, tank trucks and barges *Regular Flake:* Steel drums ..... 100 and 400 lbs. net *Fine Flake, Crystal Flake:* Steel drums ..... 450 lbs. net *Solid:* Steel drums ..... 700 lbs. net
Chlorinated Paraffin (CP®-40) $C_{24}H_{43.1}Cl_{6.9}$ **(average)** Light, honey-colored, clear, viscous liquid averaging 42.5% chlorine. Soluble in most organic solvents.	Mol. Wt. (av.) ..... 576 Chlorine content ..... 42.5% Free HCl ..... 0.006% Iron ..... 10 ppm or less Sp. Gr. 15.5°/15.5°C ..... 1.185 Color, Union Colorimeter ASTM ..... 1.5 to 2.5	In composition for waterproofing and fireproofing fabrics, and as an ingredient in special paints such as traffic paints and fire retardant paints; plasticizer and extender for certain plastic materials. 55-gal. lacquered steel drums ..... 530 lbs. net
Chlorine, Liquid Cl_2 Orange liquid under pressure; greenish-yellow gas at ordinary pressure and temperature. Hooker liquid chlorine is of standard market quality.	Mol. Wt. ..... 70.9 F. P. ..... —100.98°C B. P. ..... —34.5°C Critical Temp. ..... 144°C Critical Press. ..... 1118 lbs./in² abs.	Bleaching pulp and paper, water purification, sewage treatment, general germicide and deodorant. Manufacture of inorganic chlorides, e.g., metallic chlorides, sulfur chlorides, phosgene and hydrogen chloride; organic chlorides including acids, aliphatic and aromatic chlorides. Among products derived directly or through intermediates are: synthetic rubber, rayon, cellophane, protective fabrics, high octane gasoline, organic solvents, refrigerants, automotive coolants. Cylinders ..... 100 and 150 lbs. net Multi-unit cars of 15 one-ton containers. Tank cars ..... 16, 30 and 55 tons net
***meta*-Chlorobenzotrifluoride**  Clear, colorless liquid.	Mol. Wt. ..... 180.56 Assay ..... 83.0% Min. F. P. ..... —56°C B. P. ..... 138°C	Intermediate for dyestuffs, lampricides, etc. See Bulletin 12-A. 55-gal. drums ..... 550 lbs. net
***ortho*-Chlorobenzotrifluoride**  Clear, colorless liquid.	Mol. Wt. ..... 180.56 Assay ..... 98.0% Min. F. P. ..... —7.4°C B. P. ..... 152.2°C	Intermediate for dyestuffs; dielectric ingredient. See Bulletin 12-A. 55-gal. drums ..... 600 lbs. net
***para*-Chlorobenzotrifluoride**  Clear, colorless liquid.	Mol. Wt. ..... 180.56 Assay ..... 95.0% Min. F. P. ..... —36°C B. P. ..... 139.0°C	Intermediate for dyestuffs and pharmaceuticals. See Bulletin 12-A. 55-gal. drums ..... 600 lbs. net
***ortho*-Dichlorobenzene, Tech. (1, 2-dichlorobenzene)**  Clear, colorless liquid with a characteristic odor. Completely miscible with most organic solvents; immiscible with water.	Mol. Wt. ..... 147.0 F. P. ..... —18° to —22°C Dist. R. ..... 4° incl. 179.5°C Sp. Gr., 15.5°/15.5°C ..... 1.313 R. I., n20/D ..... 1.550 Flash Point ..... 77°C	Solvent for gums, resins, tars, rubbers, oils, fats, asphalts, sulfur, charred grease and oil; used for degreasing metals, leather, hides, wool; insecticide for termites, wood borers, etc., and in antifouling paints; ingredient of metal polishes, paint and varnish removers; heat transfer medium for condensing vapor systems above the range conveniently covered by steam; in manufacture of dyestuffs, other organics. 55-gal. steel drums ..... 600 lbs. net Tank cars

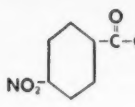
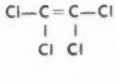
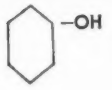
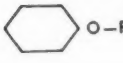
HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
para-Dichlorobenzene (Paradi®) (1, 4-dichlorobenzene)  White to clear transparent crystals with a pleasant aromatic odor. It sublimes readily leaving no residue. It is packaged in seven regular mesh sizes. Soluble in most organic solvents.	Mol. Wt. ..... 147.0 M. P. ..... 53°C B. P. ..... 173°C Flash Point ..... 73°C Fire Point ..... 108°C	Recommended and widely accepted as a highly effective insecticide for agricultural and domestic control of: peach tree borer, black peach aphids, tobacco blue mold, clothes moths, carpet beetles, fish moths, garden centipedes. Also used in manufacture of sanitary specialties such as deodorants. As chemical intermediate in organic synthesis, it is used in preparation of a variety of chemicals, especially dyestuffs. Fiber drums ..... 25, 50, 100, and 200 lbs. net
Diphenyldecyl Phosphite  Nearly water white liquid.	Mol. Wt. ..... 374 Color APHA ..... 50 max. Sp. Gr., 25/15.5°C ..... 1.023 M. P. ..... 18°C R. I., n25/D 1.5160	Chemical intermediate, ingredient in stabilizer systems in resins. 55-gal. ..... 460 lbs. net Tank trucks
Fluorolubes®  Fluorolubes (registered trade-mark) are polymers of trifluorovinyl chloride. These products are produced as light oils, heavy oils, and grease-like materials. They have excellent lubricating properties and are very stable in the presence of strong oxidizing agents such as oxygen, hydrogen peroxide, concentrated nitric acid, etc.	 *For complete list of grades and data, write for Technical Data Sheet No. 776.*	Lubricant and sealant for plug cocks, valves, and vacuum pumps. Impregnant for gaskets and packings. Fluid for hydraulic equipment, heat exchange and instrument damping. Miscellaneous applications such as low temperature lubricant, high density fluid, etc. Also available as thickened "GR" greases. Tin or aluminum containers of various sizes.
Het® Acid (chlorendic acid)  Fine, white, free-flowing, non-dusting crystals. A unique dibasic acid possessing more than 54% by weight of stable chlorine. Soluble in most organic solvents.	Mol. Wt. ..... 388.87 Assay ..... 99.5% Min. Chlorine Content ..... 54.7% Color, APHA ..... 50 Max. Acid Number ..... 289 mg KOH/g	Het acid is a new chemical intermediate which may be used for the production of numerous materials containing stable chlorine. Among suggested uses are fire-retardant resins, plasticizers, adhesives, laminates, coatings, and other plastic materials. Fiber drums ..... 50 and 250 lbs. net
Hexachlorocyclopentadiene (C®-56)  Light yellow liquid with pungent odor. A highly reactive chlorocarbon.	Mol. Wt. ..... 272.79 F. P. ..... 9.9°C Dist. R. ..... 237° to 250°C Sp. Gr., 15.5°/15.5°C ..... 1.717 Flash Point ..... None	Suggested as an intermediate in preparation of end products such as insecticides, dyes, pharmaceuticals, resins, germicides, fungicides. Classes of compounds which can be produced include: acids, acid chlorides, acid anhydrides, esters, amides, ketones, diketones, quinones, acetals, nitriles, fluorocarbons. 5-gal. lacquer-lined cans ..... 70 lbs. net 55-gal. lacquer-lined drums ..... 700 lbs. net Tank cars
Lauryl Chloride (dodecylchloride) $C_{12.4}H_{25.7}Cl$ (average) Clear, water-white, oily liquid having a faint fatty odor. It is available in two grades, high grade and technical, and is composed of a mixture of n-alkyl chlorides in which the C_{12} predominates. Completely miscible with most organic solvents, slightly miscible with alcohol, immiscible with water.	Mol. Wt. (av.) ..... 210.3 Chlorine content High Grade ..... 16.0% Min. Technical ..... 15.5% Min. Crystallization Point ..... −19°C Dist. R., 95% at 5 mm. 112° to 160°C Sp. Gr., 25°/15.5°C ..... 0.863 Flash Point ..... 113°C Fire Point ..... 135°C	Chemical intermediate for synthesis of esters, sulfides, mercaptans, etc. 5-gal. cans ..... 35 lbs. net 55-gal. steel drums ..... 375 lbs. net Tank cars
Lauryl Mercaptan (dodecylmercaptan) $C_{12.4}H_{25.7}SH$ (average) Water-white to slightly pale yellow, mobile liquid with a mild mercaptan odor.	Mol. Wt. (av.) ..... 207.9 Mercaptan sulfur content ..... 14.6% F. P. ..... −7°C Dist. R., 95% at 5 mm. ... 108° to 148°C Sp. Gr., 15.5°/15.5°C ..... 0.849 Flash Point ..... 128°C Fire Point ..... 139°C	Polymerization modifier in manufacture of synthetic rubber; chemical intermediate. 5-gal. cans ..... 35 lbs. net 55-gal. steel drums ..... 375 lbs. net Tank cars

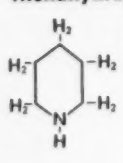
Fluorolube	FS-5	S-30	HO-125	LG-160
Mol. Wt. (av.)	560	775	950	965
Pour Point (°F)	−75	5	40	45
Density, gm/cc, 100°F	1.868	1.925	1.953	1.955
Viscosity, Centistokes, 100°F	5	100	750	1400
% Fluorine	49	Same for all types		
% Chlorine	31			

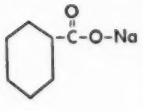
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Lauryl Pyridinium Chloride (dodecyl pyridinium chloride) (average)  Mottled tan, semi-solid material. Packaged as a technical grade. Soluble in water, alcohol, glycols, acetone and other organic solvents. Has excellent wetting and germicidal properties.	Mol. Wt. (av.) ..... 292.0 Sp. Gr., 25°/15.5°C ..... 0.99 Flash Point ..... 165°C Fire Point ..... 175°C Alkyl pyridinium chloride content (av. based on C_{12}) 90%	Cationic detergent; dispersing and wetting agent to keep spinnerettes clean in manufacture of viscose rayon; stripping agent for vat and other dyes; ingredient of fungicidal and bactericidal preparations. Polyethylene-lined fiber drums ..... 100 and 375 lbs. net
Methylchloromethyl Ether $ClCH_2OCH_3$ Colorless to pale yellow liquid. Decomposes in water and in hot alcohol. Soluble in cold concentrated HCl and in ether.	Mol. Wt. ..... 80.5 Assay ..... 95.0% Min. Sp. Gr., 15.5°/15.5°C ..... 1.0803 R. I., n20/D ..... 1.3973 Flash Point (Cleve. open cup) ..... 18°F	A very reactive chemical intermediate which can be used to produce a variety of end products among which are ion exchange resins. 55-gal. nickel drums ..... approx. 575 lbs. net
Methyl Dichlorostearate $C_{17}H_{33}Cl_2COOCH_3$ (approx.) Light yellow, oily liquid with a slight fatty odor. Manufactured from commercial methyl stearic acid containing some methyl palmitate. Completely miscible with most organic solvents.	Mol. Wt. (approx.) ..... 367 F. R. ..... 7° to —5°C B. P. ..... decomp. at 250°C Sp. Gr., 25°/15.5°C ..... 0.990 R. I., n25/D ..... 1.4599 Flash Point ..... 181°C Fire Point ..... 210°C	Chemical intermediate. Suggested as a plasticizer extender for coating materials where high temperature stability is not essential. Compatible with a variety of resins and plastic materials. 55-gal. lacquer-lined steel drums ..... 440 lbs. net
Monochlorobenzene (phenyl chloride)  Clear, colorless, moderately volatile liquid, with a characteristic mild odor. It is free of material less volatile than itself, and after drying will distill within 1°C. It is typically 99.5 molecular percent pure, as determined by cryoscopic methods.	Mol. Wt. ..... 112.5 F. P. ..... —44°C Flash Point ..... 29°C Dist. R. ..... 1° incl. 132.0°C Sp. Gr., 15.5°/15.5°C ..... 1.113 R. I., n20/D 1.524	Intermediate in manufacture of insecticides, dyestuffs, drugs, perfumes, and other organic chemicals; solvent for paints, varnishes, lacquers; general organic solvent; heat transfer medium for condensing vapor systems. 55-gal. steel drums ..... 500 lbs. net Tank cars
Monochlorotoluene, Tech. (methylchlorobenzene)  Clear, colorless to straw-colored liquid with an odor resembling chlorobenzene. It is a mixture of isomers; approximately 60% *ortho-* and 40% *para-*. Completely miscible with most organic solvents; immiscible with water.	Mol. Wt. ..... 126.5 F. P. ..... below —45°C Fire Point ..... 86°C Dist. R. (100%) ..... 158° to 165°C Sp. Gr., 15.5°/15.5°C ..... 1.080 R. I., n20/D ..... 1.522 Flash Point ..... 50° to 54°C	Chemical intermediate in manufacture of rubber accelerators and other organic chemicals; solvent for rubber and synthetic resins. 55-gal. steel drums ..... 450 lbs. net Tank cars and tank trucks
Muriatic Acid (hydrochloric acid) HCl in water solution Commercial grade, light yellow; Hooker White® grade, with a color of 50 APH Max. Both grades are clear solutions entirely free of arsenic and almost entirely free of sulfates. Shipped in three strengths: 18°, 20° and 22° Baumé.	Mol. Wt. ..... 36.5 Sp. Gr., 15.5°/15.5°C ..... 18° Bé 1.1417 Sp. Gr., 15.5°/15.5°C ..... 20° Bé 1.1600 Sp. Gr., 15.5°/15.5°C ..... 22° Bé 1.1789	In manufacture of dyestuffs; refining ores; pickling and cleaning metals; manufacture of foodstuffs and pharmaceuticals; in textile dyeing and finishing; in manufacture of chemicals generally. Rubber-lined tank cars and tank trucks
***meta*-Nitrobenzoyl Chloride**  Yellow to brown liquid, partially crystallized. A mixture of isomers, mostly meta-. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 185.5 Assay ..... 96% Min. L. C. P. (av.) ..... 31.6°C Dist. R. at 19 to 20 mm. 157° to 167°C	In manufacture of dyestuffs for fabrics and color photography; intermediate in preparation of pharmaceuticals. 5-gal. terne plate or lead-dipped pails ..... 50 lbs. net

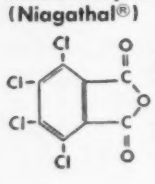
HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
para-Nitrobenzoyl Chloride  Yellow, crystalline material with characteristic odor; packaged in flake form. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 185.5 Assay ..... 98% Min. F. P. ..... 72°C Dist. R. at 105 mm ..... 202° to 205°C	In manufacture of dyestuffs; procaine hydrochloride. 5-gal. wide mouth carboys ..... 33 lbs. net 55-gal. lacquer-lined, removable head drums..... 300 lbs. net
Oxalic Acid $H_2C_2O_4 \cdot 2H_2O$ Pure white crystals moderately soluble in cold water, very soluble in hot water. A mild dibasic acid. Supplied in two particle sizes.	Mol. Wt. ..... 126.07 Assay ..... 99.8% Min. M. P. ..... 101.5°C B. P. ..... sublimes at 100°C Sp. Gr., 20°/4°C 1.653	In organic synthesis; for dyes and dyeing; for bleaching. In general, a mild acidifying agent. In radiator cleaning; leather processing; as a rust stain remover; in cleaning railroad cars; for control of shading in textile dyeing. In preparation of organic and inorganic oxalates. Precipitating agent for rare earth salts; catalyst in organic reactions. Leverpak drums ..... 100, 300 and 400 lbs. net Bags ..... 100 lbs. net
Perchlorethylene  Clear, colorless, nonflammable liquid with characteristic odor. Available in Dry Cleaning (N.I.D. approved) and Industrial grades.	Mol. Wt. ..... 165.9 F. P. ..... —22.4°C B. P. ..... 121°C Dist. R. ..... 0.5°C Sp. Gr., 15°/4°C 1.624	Principally used as a dry cleaning solvent. Also used in metal cleaning, oil extraction, cleaning compounds and as an organic chemical intermediate. 55-gal. steel drums ..... 700 lbs. net Tank cars and tank trucks Available from Tacoma, Washington.
Phenol, U.S.P.  Colorless crystalline mass. U.S.P. grade. By ICC Freight Classification it is a Class B poison.	Mol. Wt. ..... 94.11 F. P. ..... 40.6°C Min. B. P. ..... 181.75°C Density, Solid at 25°C ..... 1.071 Density, Liquid at 50°C 1.049	Phenol is used in making phenolic resins and molding compounds, as a selective solvent in petroleum refining, as a chemical intermediate, and as a preservative and disinfectant. In dilute solutions phenol is known as carbolic acid. 55-gal. galvanized-lined drums ..... 450 lbs. net Tank cars and tank trucks
Phenyldidecyl Phosphite  Nearly water white liquid with an odor of alcohol.	Mol. Wt. ..... 438 Color APHA ..... 50 max. Sp. Gr. 25/15.5°C ..... 0.940 M. P. ..... <0°C R. I., n25/D 1.4785	Chemical intermediate, ingredient in stabilizer systems for resins. 55-gal. drums ..... 425 lbs. net Tank trucks
Phosphoric Anhydride (phosphorus pentoxide) P_2O_5 (P_4O_{10}) White, fluffy, free-flowing powder; deliquescent.	Mol. Wt. (P_4O_{10}) ..... 283.92 M. P. (under pressure) ..... 563°C B. P. ..... Sublimes at 250°C Sp. Gr. 2.38	In manufacture of phosphorus compounds, organic phosphates; as a catalyst; condensing agent; dehydrating agent; in organic synthesis. Wood cases containing ten 6-lb. tins ..... 60 lbs. net Steel drums ..... 60 and 425 lbs. net
Phosphorous Acid H_3PO_3 Available as water-white aqueous solution, 70%; flake, 97%. Medium-strong slow-acting reducing agent; medium-strength acid.	Mol. Wt. ..... 82.00 *70% Solution* M. P. ..... Saturated at —20°C Completely solid at —50°C B.P. 760 mm ..... 125°C Sp. Gr., 25°C ..... 1.422 *97% Flake* M. P. ..... 74°C B. P. ..... Decomposes at 200°C Sp. Gr., 21.2°C 1.651	Reducing agent: in preparation of phosphite salts. *Solution:* Glass carboys 13-gal. ..... 150 lbs. net *Flake:* Lined fiber drums ..... 100 and 300 lbs. net

HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Phosphorus, Yellow P_4 Pale yellow solid, technical grade. In sticks approx. 9/16" in diameter and 10⅛" long. Ignites spontaneously in air.	At. Wt. ..... 30.98 Assay (P_4) ..... 99.9% M. P. ..... 44.1°C B. P. ..... 279.7°C Sp. Gr., 20°C 1.82	In production of metal alloys, munitions, pyrotechnics, flares, smokes, rodent poisons; in preparation of phosphate salts; in organic synthesis, etc. Wood cases of ten 11-lb. tins ..... 110 lbs. net
Phosphorus, Red (Amorphous) P_X Odorless dark red powder.	At. Wt. ..... 30.98 Assay (phosphorus) ..... 99.3% Min. Particle Size ..... 99% through 100 mesh M.P. ..... 590°C at 43 atmospheres Flash Point ..... 200°C Sp. Gr., 20°C 2.20	In production of matches, flares, pyrotechnics; in organic synthesis. Steel drums ..... 100 lbs. net Wood cases of ten 11-lb. tins ..... 110 lbs. net
Phosphorus Oxychloride $POCl_3$ Water-white fuming liquid; assay: 99.5% $POCl_3$ Min.	Mol. Wt. ..... 153.35 M. P. ..... 1.22°C B. P., 760 mm ..... 107.2°C Sp. Gr., 20°C ..... 1.675 Dist. R. (typical) ..... 98.5% between 106° and 107.2°C	In organic phosphates, plasticizers, gasoline additives; chlorinating agent; catalyst in production of dyestuffs, medicines, intermediates, etc. 16-gal. returnable nickel drums ..... 200 lbs. net 55-gal. returnable nickel drums ..... 700 lbs. net 4,000-gal. tank cars ..... Approx. 50,000 lbs. net 6,000-gal. tank cars ..... Approx. 80,000 lbs. net
Phosphorus Pentachloride PCl_5 Light lemon-yellow crystalline powder. Sublimes at about 160°C. More reactive than PCl_3.	Mol. Wt. ..... 208.27 M. P. ..... 148°C under pressure Sp. Gr. 1.6	Chlorinating agent and catalyst; organic synthesis. Polyethylene lined steel drums ..... 25 and 100 lbs. net
Phosphorus Pentasulfide P_2S_5 (P_4S_{10}) Gray-yellow powder in three particle-sizes; or fused solid. Distilled and undistilled.	Mol. Wt. ..... 444.52 F. P. ..... 275°C B. P., 760 mm ..... 513° to 516°C Sp. Gr., 17°C ..... 2.03 Particle Size *(Powder)*: 20-Mesh: 86% min. through 20 mesh 2-Mesh: 30% max. through 10 mesh 6-Mesh: 98% min. through 6 mesh; 50% max. through 40 mesh	In synthesis of thioesters of phosphoric acid; other organic syntheses. In manufacture of lubricant additives; insecticides; in ore flotation, etc. *Powder:* Leverpak drums ..... 150 lbs. net Tote bins ..... 3,000 lbs. min. 5,000 lbs. max. *Solid:* Steel drums ..... 215 lbs. net
Phosphorus Sesquisulfide P_4S_3 Lemon-yellow powder. Particle size: 80% min. through 100 mesh; 90% min. through 80 mesh.	Mol. Wt. ..... 220.10 Free Phosphorus ..... None M. P. ..... 171° to 172.5°C B. P. ..... 408°C Sp. Gr., 17°C 2.03	In manufacture of matches, pyrotechnics. Steel drums ..... 100 lbs. net
Phosphorus Trichloride PCl_3 Water-white fuming liquid. Assay: 99.5% PCl_3 Min.	Mol. Wt. ..... 137.35 M. P. ..... —111.8°C B. P., 760 mm ..... 76°C Dist. R. (typical) ..... 97% between 74.8° and 76.5°C Sp. Gr., 20°/4°C 1.575	Chlorinating agent, particularly for organic acids, chlorination catalyst; condensing agent; in preparation of phosphite esters and phosphonate esters; in other organic syntheses. 16-gal. returnable nickel drums ..... 200 lbs. net 55-gal. returnable nickel drums ..... 650 lbs. net 55-gal. steel drums ..... 650 lbs. net 4,000-gal. tank cars ..... Approx. 50,000 lbs. net 6,000-gal. tank cars ..... Approx. 80,000 lbs. net
Piperidine (hexahydropyridine)  Clear, water-white liquid possessing a characteristic amine odor. Completely miscible in water, alcohol and ether.	Mol. Wt. ..... 85.1 Assay ..... 99% Min. L. C. P. ..... —13°C Dist. R. ..... 5°C Max. Sp. Gr., 25°/15.5°C ..... 0.860 Flash Point ..... 16°C	In organic synthesis in preparation of acyl and alkyl derivatives, condensations with chlorohydrins, dimethylamine and formaldehyde; in manufacture of quaternary ammonium salts, salts of fatty acids, etc.; used as a rubber accelerator and anti-ager; curing agent for epoxy resins. 55-gal. steel drums ..... 375 lbs. net

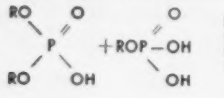
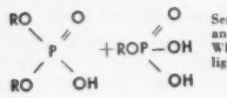
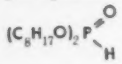
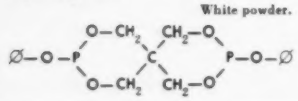
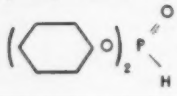
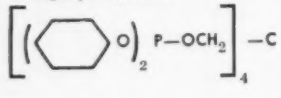
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Plasticizer, MPS®-500 MPS-500, a viscous, light yellow liquid, is a stabilized chlorinated ester of a fatty acid. The chlorine content is controlled to give an optimum balance between compatibility and plasticizing efficiency. Soluble in chlorinated hydrocarbons, aromatics, aliphatics, alcohols, esters, ketones. Insoluble in water.	Mol. Wt. (av.) ..... 448 Chlorine content ..... 36.6% Pour Point ..... —18°C Flash Point (open cup) ..... 164°C Visc. at 100°F ..... 215 centistokes at 210°F ..... 12 centistokes Vapor Press. at 120°C ..... 0.015 mm Hg Sp. Gr., 25°/15.5°C ..... 1.19 Density ..... 74 lbs./ft.^{3}	MPS-500 is recommended as a low-cost plasticizer for polyvinyl chloride formulations such as films, both transparent and opaque; upholstery and drapery; electrical insulation; garden hose covering; shoe soles; organisol and plastisol formulations. MPS-500 is completely compatible with polyvinyl chloride in amounts up to sixty parts per hundred. 55-gal. lacquer-lined steel drums ..... 500 lbs. net Tank cars
Potassium Chlorate $KClO_3$ Small white crystals or powder, in two grades — Technical and N.F. When heated, the salt decomposes into O_2, KCl and $KClO_4$. Some metal oxides accelerate the decomposition. Slightly soluble in water.	Mol. Wt. ..... 122.56 M. P. ..... 368°C B. P. ..... Decomposes exothermally at about 400°C Sp. Gr. 2.32	Oxidizing agent; in manufacture of matches, pyrotechnics, etc. *Crystal:* Paper bag-lined steel drums ..... 350 lbs. net *Powder:* Paper bag-lined steel drums ..... 250 lbs. net Polyethylene liners also available.
Potassium Perchlorate $KClO_4$ White powder, almost insoluble in cold water. Less reactive than sodium chlorate or potassium chlorate. When heated, it does not melt but decomposes into O_2 and KCl.	Mol. Wt. ..... 138.55 M. P. ..... Decomposes at about 400°C Sp. Gr., 11°C 2.524	Oxidizing agent; in pyrotechnics. Steel drums ..... 100 lbs. net
Sodium Benzoate, U.S.P. and Tech. (benzoate of soda)  White, odorless, crystalline solid, sold in flake or powdered form. Available in either U.S.P. or technical grades. Readily soluble in water, slightly soluble in alcohol.	Mol. Wt. ..... 144.1 *U.S.P. Grade* Sodium Benzoate ..... 99.0% Min. Benzoic Acid ..... 0.2% Max. Water ..... 0.5% Max. *Technical Grade* Sodium Benzoate ..... 98.0% Min. Benzoic Acid ..... 0.4% Max.	Preservative for foods such as fruit juices and syrups, margarine, and as an antiseptic in pharmaceutical and cosmetic preparations, in tooth pastes and powders and in the curing of tobacco. Sodium Benzoate has been recommended as a corrosion-resistant additive for anti-freeze solutions of the glycol type. It has also been recommended as a corrosion-resistant agent in wrapping of various types for protection of metals during storage. Chemical intermediate in manufacture of dyestuffs and pharmaceuticals. Polyethylene-lined fiber drums ..... 100 lbs. net
Sodium Chlorate $NaClO_3$ White crystals, in technical and agricultural grades. Strong oxidizing agent; very soluble in water. When heated much above the melting point, especially in presence of certain metallic oxides, the salt decomposes into O_2, NaCl, and $NaClO_4$.	Mol. Wt. ..... 106.45 M. P. ..... 248°C B. P. ..... Begins to decompose at 300°C Sp. Gr., 15°C 2.49	Oxidizing agent in metallurgy, dyestuff manufacture, etc.; herbicide and soil sterilant; cotton defoliant; in production of chlorine dioxide for pulp bleaching. Steel drums ..... 50, 100 and 450 lbs. net Tank cars, in bulk ..... 80,000 lbs. min. 100,000 lbs. max.
Sodium Hypophosphite $NaH_2PO_2 \cdot H_2O$ White granular crystals in two grades, N.F. and commercial. Very soluble in water. Decomposes when strongly heated.	Mol. Wt. ..... 106.0 Assay: N.F. Grade ($NaH_2PO_2 \cdot H_2O$) ..... 98% Min. Commercial Grade (NaH_2PO_2) ..... 84% Min. (Equivalent to 101% $NaH_2PO_2 \cdot H_2O$)	Reducing agent: medicinals; electroless nickel plating, etc. N.F. Grade: Lined fiber drums ..... 25 and 50 lbs. net Commercial Grade: Lined fiber drums ..... 100 and 325 lbs. net
Sodium Sulfhydrate (sodium hydrosulfide) NaSH Light lemon-colored solid in flake form. Completely and rapidly soluble in water, alcohol and ether. Also available in liquid form.	Mol. Wt. ..... 56.1 M. P. ..... 55°C *Analysis (flake only)* NaSH ..... 70 to 72% Na_2S ..... 2.5% Max. Other Na Salts ..... 1.2% Max. Fe ..... 5 ppm Max. Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max. Water of crystallization ..... 28 to 26%	Unhairing hides; desulfurizing viscose rayon; in preparation of dyestuffs and other organics such as thioamides, thiourea, thioglycolic acid, thio- and dithio-benzoic acids, sodium thiosulfate. Reagent in ore flotation. *Flake:* Lacquer-lined steel drums ..... 90 and 400 lbs. net *Liquid:* Tank cars and tank trucks

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Sodium Sulfide Na_2S Light buff-colored solid. Packaged in flake or solid form. Rapidly soluble in water; slightly soluble in alcohol; insoluble in ether.	Mol. Wt. ..... 78.1 M. P. ..... 100°C *Analysis* Na_2S ..... 60 to 62% NaCl ..... 1.5% Max. Other Na Salts ..... 2.0% Max. Fe ..... 8 ppm Max. Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max. Water of crystallization ..... 35% Min.	In unhairing hides and wool pulling; desulfurizing viscose rayon; in manufacture of dyestuffs, chemical intermediates, paper pulp; as an ingredient of dye liquor for textile dyeing; in cotton printing, boiling out linen; ore flotation, metal refining. *Flake:* Lacquer-lined steel drums ..... 90 and 400 lbs. net *Solid:* Steel drums ..... 625 lbs. net
Sodium Tetrasulfide Solution Na_2S_4 Clear, dark red, aqueous solution containing 40% by weight of Na_2S_4. The solution contains less than 1% by weight of $Na_2S_2O_3$, Na_2CO_3 and Na_2SO_3 inclusive.	Mol. Wt. ..... 174.2 F. R. ..... 3.5° to —17°C Dist. R. ..... 115° to 120°C Sp. Gr., 15.5°/15.5°C ..... 1.335 R. I., n20/D ..... 1.5210 Flash and Fire Points ..... None	Soaking hides and skins prior to unhairing for the purpose of softening the major portion of coagulable proteins, resulting in more uniform soaking and better unhairing. Reducing agent for nitro bodies; ore flotation reagent; used in preparation of sulfur dyes and of metal sulfide finishes. 55-gal. steel drums ..... 600 lbs. net
Sulfur Dichloride SCl_2 Brownish-red liquid with a pungent chlorine-like odor. Fumes readily in moist air. Vapors are irritating to eyes, nose and throat. Reacts with water, ether and alcohol; soluble in benzene and carbon tetrachloride.	Mol. Wt. ..... 103.0 Pour Pt. ..... below —78°C B. P. ..... decomp. above 40°C Cl_2 content ..... 66% Sp. Gr., 15.5°/15.5°C ..... 1.638 R. I., n20/D ..... 1.567 Flash and Fire Points ..... None	As a chlorinating agent where use of elemental chlorine is not feasible; in chloridizing certain metallic ores; reagent in preparation of organic anhydrides, drying oils, rubber substitutes; reagent for hardening ink, paint, varnish. 55-gal. steel drums ..... 700 lbs. net Tank cars
Sulfur Monochloride S_2Cl_2 Yellow to reddish, heavy liquid with pungent odor. Fumes readily in moist air. Vapors are irritating to eyes, nose and throat. Reacts with water and alcohol; soluble in ether.	Mol. Wt. ..... 135.0 Pour Pt. ..... below —80°C B. P. ..... 138°C Cl_2 content ..... 52-52.5% Sp. Gr., 15.5°/15.5°C ..... 1.6885 R. I., n20/D ..... 1.670 Flash Point ..... 130°C	As an intermediate and chlorinating agent in manufacture of organic chemicals, sulfur dyes, rubber substitutes; agent for cold vulcanization of rubber products; polymerization catalyst for increasing viscosity of vegetable oils. 55-gal. steel drums ..... 700 lbs. net Tank cars
Sulfuryl Chloride (sulfuric oxychloride)  Light yellow, heavy liquid with extremely pungent odor. Reacts with water; soluble in acetic acid and benzene.	Mol. Wt. ..... 135.0 SO_2Cl_2 content ..... 99+% Pour Pt. ..... below —54°C Dist. R. ..... 2° incl. 69.5°C Sp. Gr., 15.5°/15.5°C ..... 1.680 R. I., n20/D 1.443	Special chlorinating agent for chlorophenol and other organic chlorides; reacts with sodium salts of organic acids to form chlorides and anhydrides. 13-gal. glass stoppered carboys ..... 175 lbs. net 55-gal. steel or nickel drums ..... 725 lbs. net Tank cars
1, 2, 4, 5-Tetrachlorobenzene $C_6H_2Cl_4$ White crystalline solid with almost no odor. Packaged in flake form. Insoluble in water; soluble in many organic solvents.	Mol. Wt. ..... 215.9 Chlorine content ..... 65.7% M. R. ..... 137.5° to 140°C Dist. R. ..... 240° to 246°C	Intermediate in manufacture of 2,4,5-trichlorophenol and 2,4,5-trichlorophenoxy acetic acid, and other organics such as azo dyes. Suggested as impregnant for fire and moisture resistance in electrical and other insulating compounds. Fiber drums ..... 200 lbs. net
Tetrachlorophthalic Anhydride (Niagathal®)  A white, odorless, free flowing and non-hygroscopic powder, it is slightly soluble in water, about 1.8 parts at 90°C forming the corresponding dibasic acid.	Mol. Wt. ..... 285.9 Assay ..... >99.5% Chlorine content ..... 49.6% M. R. ..... 254° to 255°C B. P. ..... 371°C	Intermediate or compounding material in the manufacture of dyes, pharmaceuticals, fungicides, esters, plasticizers, synthetic resins and coatings, synthetic rubbers and insulating materials, lubricants. Fiber containers ..... 10 lbs. net Fiber drums ..... 60, 120 and 400 lbs. net

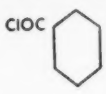
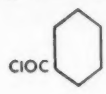
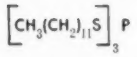
HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Thionyl Chloride (sulfurous oxychloride)  Clear, pale yellow to red liquid with sharp irritating odor. Reacts readily with moist air, water. Technical or high grades.	Mol. Wt. ..... 119.0 Typical Assay: Technical ..... 93% Min. High ..... 98.0% Min. Pour Pt. ..... below —75°C Sp. Gr., 15.5°/15.5°C ..... 1.640 R. I., n20/D ..... 1.517 Flash Point and Fire Point ..... None	In organic synthesis to replace various groups with chlorine, especially in preparation of organic acid chlorides. It may be used to introduce sulfur alone or in combination with oxygen. 13-gal. glass stoppered carboys ..... 175 lbs. net 55-gal. steel or nickel drums* ..... 725 lbs. net **Note: High grade only shipped in carboys or nickel drums.*
Trichlorethylene (Nialk®)  Clear, colorless, relatively non-flammable liquid with characteristic odor. Available in several grades including metal degreasing, technical and special grades.	Mol. Wt. ..... 131.4 F. P. ..... —86.4°C B. P. ..... 86.9°C Sp. Gr., 15°/4°C ..... 1.469 For more detail and information on uses and handling, refer to booklet "Nialk® Trichlorethylene."	Widely used in metal degreasing and cleaning in preparation for assembly, inspection or further processing. Other uses include solvent extraction of vegetable or animal oils, waxes and fats; freezing point depressant for carbon tetrachloride fire extinguishers; solvent carrier for rust prevention; general solvent; heat transfer medium; organic intermediate. In textiles, for degreasing wool and for dewaxing cotton goods prior to bleaching. 55-gal. steel drums ..... 660 lbs. net Tank cars and tank trucks
Trichlorobenzene, Tech. $C_6H_3Cl_3$ Clear, almost colorless mobile liquid having a characteristic chlorobenzene odor. It is a mixture of 1, 2, 4- and 1, 2, 3-trichlorobenzenes, the 1, 2, 4- predominating. Completely miscible with most organic solvents; practically immiscible with water.	Mol. Wt. ..... 181.5 F. P. ..... 0° to 5°C Dist. R. ..... 5° incl. 216°C Sp. Gr., 15.5°/15.5°C ..... 1.466 R. I., n20/D ..... 1.570 Flash Point (Cleve. open cup) ..... None Fire Point (Cleve. open cup) ..... None to boiling point	As insecticide, particularly effective as soil poison in termite eradication; solvent for fats, oils, waxes, resins; heat transfer medium, adaptable to condensing vapor systems for a range of 210°C to about 300°C; in chemical synthesis for manufacture of dye intermediates, other organics. 55-gal. steel drums ..... 650 lbs. net Tank cars and tank trucks
Tridecyl Phosphite $(C_{10}H_{21}O)_3P$ Water white liquid with an odor of decyl alcohol.	Mol. Wt. ..... 502 Color APHA ..... 50 max. Sp. Gr., 25/15.5°C ..... 0.892 M. P. ..... <0°C R. I., n25 ..... 1.4565	Chemical intermediate, ingredient in stabilizer systems for resins. 55-gal. drums ..... 400 lbs. net Tank trucks
Triphenyl Phosphite  Water white to pale yellow with a clean, pleasant odor.	Mol. Wt. ..... 310.28 Color APHA ..... 50 max. Sp. Gr. 25/15.5°C ..... 1.184 M. P. ..... 22°-25°C R. I., n25/D 1.589	Chemical intermediate, ingredient in stabilizer systems for resins; to improve clarity of alkyd resins. 55-gal. galvanized drums ..... 525 lbs. net Tank trucks
Virgo® Salts Salts for fused salt baths, for descaling, desanding, and otherwise cleaning many metal products.	Virgo Descaling Salt Shipped as blue flakes Operating temperature ..... 900°-950°F	A patented salt for removing scale from stainless steel, high alloys, titanium, etc. Steel drums ..... 100 and 400 lbs. net
	Virgo Electrolytic Salt Shipped as white flakes Operating temperature ..... 850°-950°F	For desanding and degraphitizing iron or steel castings. Steel drums ..... 400 lbs. net.
	Virgo Molten Cleaner Shipped as green flakes Operating temperature ..... 800°-900°F	For salvaging metal objects: paint hooks, pipes, fittings, motor blocks, etc., by removal of paint, and other organic deposits. Steel drums ..... 400 lbs. net
Zinc Phosphide Zn_3P_2 Fine, grey-black, dense powder. Reacts with acids and (more slowly) with water to produce phosphine gas.	Mol. Wt. ..... 258.10 M. P. ..... Above 420°C B. P. ..... 1100°C Sp. Gr., 13°/4°C 4.55	In rodenticides; source of phosphine gas. Steel drums ..... 100 lbs. net

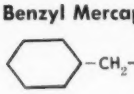
HOOKER CHEMICAL CORPORATION
MARKET DEVELOPMENT CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Alkyl Acid Phosphates  Liquids. Colorless to light yellow.		Curing catalysts and accelerators in resins and coatings. Pigment dispersion, mineral separations. Solvent extraction of uranium and other ores. Stabilizers for vinyl plastics and peroxide solutions, etc. *Methyl:* } 5-gal. cans and *Butyl:* } 55-gal. lined steel drums *Amyl:* }
Alkyl Acid Phosphates  Semi-solid and solid. White to light yellow.		Emulsifying agents and special detergents. Oil additives, and anti-oxidant in fats. Lubricating and antistatic agents in synthetic fibers. Components of rust preventive coating composition for metals, etc. *Lauryl:* } 5-gal. cans and *Oleyl:* } 55-gal. lined steel drums *Stearyl:* Lined fiber containers ..... 50 and 250 lbs. net
Dioctyl Hydrogen Phosphite (bis-[2-ethylhexyl] hydrogen phosphonate)  Clear, straw colored liquid with a clean, pleasant odor.	Mol. Wt. ..... 306 Phosphorus Con. ..... 9.9% Sp. Gr., 25°/15.5°C ..... 0.934 R. I., n25/D 1.4440	Ingredient in stabilizer systems for resins. 5-gal. cans ..... 38 lbs. net 55-gal. lined steel drums ..... 410 lbs. net
Dipentite (TM) (diphenylpentaerythritol diphosphite) White powder. 	Mol. Wt. ..... 380 B. P. at 0.1 mm ..... 190°-200°C	Ingredient in stabilizer systems for resins. 12-gal. pails ..... 120 lbs. net
Diphenyl Hydrogen Phosphite (diphenyl hydrogen phosphonate)  Clear, straw colored liquid with a pleasant odor.	Mol. Wt. ..... 234 Phosphorus Content ..... 12.8% Last Crystal Point ..... 12°C Sp. Gr., 25°/15.5°C ..... 1.2208 R. I., n25/D 1.5566	Ingredient in stabilizer systems for resins. 55-gal. steel drums ..... 540 lbs. net
Hypophosphorous Acid H_3PO_2 Clear, white aqueous solution containing 50% acid by weight.	Mol. Wt. ..... 66.00 Assay ..... 50-52% Sp. Gr., 25 ..... 1.225 M. P. ..... below —25°C B. P. ..... 108°C	Chemical intermediate, reducing agent, decolorizing glyceride oils and for organic synthesis. 13-gal. carboys ..... 125 lbs. net
n-Octyl Mercaptan $CH_3(CH_2)_6CH_2SH$ Colorless liquid with characteristic mercaptan odor.	Mol. Wt. ..... 146.29 Assay ..... 98% Sp. Gr., 25°/15.5°C ..... 0.838 R. I., n25/D ..... 1.4510 Dist. R. (760 mm) ..... 202°-206°C	n-Octyl Mercaptan is used in the manufacture of, or as a synergist with, herbicides and insecticides; as an ingredient in resin stabilizers; and as an intermediate in the dyestuff, pharmaceutical, textile, and rubber industries. 55-gal. steel drums ..... 375 lbs. net Tank cars ..... approx. 4000 gal.
Pentite (TM) (tetra [diphenyl phosphito] pentaerythritol) A low melting, white waxy solid with a slight phenolic odor. 	Mol. Wt. ..... 1000 Sp. Gr., 25°/15.5°C ..... 1.24 M. P. ..... 30°-60°C R. I., n25/D 1.5823	Ingredient in stabilizer systems for resins. 5-gal. lined steel cans ..... 50 lbs. net 55-gal. lined steel drums ..... 540 lbs. net

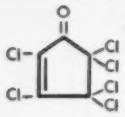
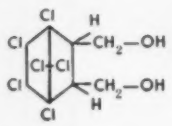
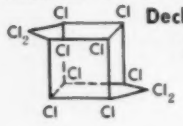
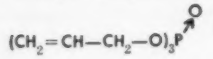
HOOKER CHEMICAL CORPORATION
MARKET DEVELOPMENT CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
iso-Phthaloyl Chloride (m-phthalyl dichloride)  A white crystalline material with the characteristic odor of acid chlorides. Available as a low melting solid or in solvent of choice.	Mol. Wt. ..... 203.03 M. P. ..... 43.4°C B. P. ..... 276°C Flash Point ..... 180°C Assay ..... 98% Min.	A reactive dibasic acid chloride that should be a valuable tool in synthetic polymers such as fibers and films. 5-gal. lined pails ..... 50 lbs. net 55-gal. lined steel drums ..... 600 lbs. net
tere-Phthaloyl Chloride (p-phthalyl dichloride)  A white crystalline material with the characteristic odor of acid chlorides. Available as a flaked solid.	Mol. Wt. ..... 203.03 M. P. ..... 81°C B. P. ..... 266°C Flash Point ..... 180°C Assay ..... 98% Min.	A reactive dibasic acid that should be a valuable tool in preparation of new synthetic polymers for fiber and film applications, as well as in the preparation of new dye intermediates. Fiber drums ..... 100 lbs. net
Sulfur Dichloride (95) SCl_2 A stabilized grade of relatively pure sulfur dichloride. Shelf life should be limited to four months in unopened containers.	Mol. Wt. ..... 103.0 SCl_2 Content ..... 96% Flash Point ..... none Fire Point ..... none	Should be valuable in reactions where sulfur chlorides are required because of very much lower level of bothersome side reactions and waste products. Can be prepared on request in any volume. 55-gal. galvanized returnable drums ..... 700 lbs. net
THPC® **(tetrakis [hydroxymethyl] phosphonium chloride)** $(HOCH_2)_4P\text{-}Cl$ White to pale yellow aqueous solution having a pungent odor.	Mol. Wt. ..... 190.44 Assay ..... 81% Sp. Gr. 25°/15.5°C ..... 1.332 Last Crystal Point ..... −14°C pH, 80% Soln 0.4	THPC is used in a process for producing *permanent* fire retardant finishes on cotton and rayon textiles, papers and other cellulosic materials. THPC not only undergoes the reactions peculiar to phosphonium halides, but can also function as a polyol. Its high degree of reactivity suggests its use as an intermediate for the synthesis of other organophosphorus compounds. 55-gal. lined steel drums ..... 575 lbs. net
Trilauryl Trithiophosphite (TLTTP)  Water-white to very slightly yellow liquid with a very mild mercaptan odor.	Mol. Wt. ..... 634 M. P. ..... 15°C Sp. Gr., 25°/15.5°C ..... 0.9160 R. I., n25/D ..... 1.4988 V. P., 200°C ..... < 0.01 (mm Hg)	As a stabilizer against discoloration of resinous compositions caused by elevated temperatures. TLTTP has found application as a stabilizer in polyolefins. Interest also exists in the use of this chemical as a lubricant additive. 55-gal. lined steel drums ..... 410 lbs. net
Trimethyl Phosphite $(CH_3)_3P$ Water-white liquid with characteristic penetrating odor. Insoluble in water but generally soluble in common organic solvents. Exposure to air or moisture should be avoided.	Mol. Wt. ..... 124.1 Assay ..... 97% Min. B. P. ..... 111°C ±1 F. P. ..... <−75°C Flash Point ..... 100°F Density, 20°/4°C 1.046	Chemical intermediate for; organophosphorus insecticides, thiophosphates, phosphonates, dimethyl phosphite; methylating agent, phosphorylating agent, polymer stabilizer and flameproofing agent. 55-gal. lined steel drums ..... 475 lbs. net
Trioctyl Phosphite (tris [2-ethylhexyl] phosphite) $(C_8H_{17}O)_3P$ Clear light-straw colored liquid with an odor similar to 2-ethylhexanol.	Mol. Wt. ..... 418 Phosphorus Content ..... 7.45% Sp. Gr. 25°/15.5°C ..... 0.8967 R. I., n25/D 1.4507	Ingredient in stabilizer systems for resins. 5-gal. cans ..... 37 lbs. net 55-gal. steel drums ..... 400 lbs. net

DEVELOPMENT CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND AVAILABILITY
Benzyl Mercaptan  Colorless liquid with characteristic mercaptan odor.	Mol. Wt. ..... 124.2 B. P. ..... 194°-195°C Density at 20°C 1.058	Benzyl mercaptan readily undergoes typical mercaptan reactions and the allylic nature of the mercaptan grouping enhances this reactivity. It is of value as a source of disulfides and derivatives for the rubber industry such as polymerization modifiers. Interest exists in derivatives for agricultural applications. Available in pilot plant quantities.

HOOKER CHEMICAL CORPORATION
DEVELOPMENT CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND AVAILABILITY
1,2-Dichlorohexafluorocyclopentene-1 (C-26) (TM)  A clear, colorless liquid with a characteristic chlorofluorocarbon odor. Its liquid range is −69°C to 90°C.	Mol. Wt. ..... 244.97 B. P. ..... 90°C Density at 20°C ..... 1.6507 R. I., n20/D 1.3676	The reactivity provided by the double bond of 1, 2-Dichlorohexafluorocyclopentene-1 offers a center of attack that makes this compound attractive as a chemical intermediate. Available in pilot plant quantities.
Hexachloro-2-cyclopentenone  A slightly yellow liquid of 95% purity.	Mol. Wt. ..... 289 M. P. (100%) ..... 28°C M. R. (95%) ..... 18-20°C B. P. at 75mm ..... 148°C R. I., n25/D 1.5644	Hexachloro-2-cyclopentenone is a reactive intermediate which forms derivatives of pentachloropentadienoic acid with bases or alcohols. It can be hydrolyzed with H_2SO_4 to the 1, 3-diketone. Available in pilot plant quantities.
Het® Diol  A white, odorless material which is soluble in most organic solvents.	Mol. Wt. ..... 361 M. P. ..... 204°C	Het Diol undergoes the usual alcohol reactions to yield diesters and polyesters. Cyclization to furans, sulfites and chlorophosphites with the appropriate reagents gives compounds which should have interest in pesticide applications. Available in semi-commercial quantities.
Perchloropentacyclo-(5.2.1.$0^{2,6}$.$0^{3,9}$.$0^{5,8}$) decane **Dechlorane** (TM)  White crystalline solid.	Mol. Wt. ..... 545.6 M. P. (sealed tube) ..... 485°C Vapor pressure at 25°C ..... $3x10^{-7}$ mm	Dechlorane has potential as a fire-retardant additive in many thermoplastic and thermoset resins which have application in the paper, paint, rubber, and electrical field. An excellent material for use in pyrotechnics applications. Available in pilot plant quantities.
Tetrachlorothiophene  A low-melting, white solid.	Mol. Wt. ..... 221.93 M. P. ..... 29-30°C B. P. at 10mm ..... 104° Density, at 30°C ..... 1.7036 R. I., n30/D 1.5915	Tetrachlorothiophene is soluble in most common organic solvents. This compound shows promise as a chemical intermediate. Available in pilot plant quantities.
Triallyl Phosphate  Water-white liquid.	Mol. Wt. ..... 218 B. P. at 0.06mm ..... 91°C Density at 25°C ..... 1.0645 R. I., n22/D 1.45308	Triallyl Phosphate is one of a series of phosphorus-containing monomers which may be homo- or copolymerized to give many new and interesting polymers and resins. Available in pilot plant quantities.

For complete technical data, samples, and other information, write, wire, or phone

BUFFALO 2, N. Y., 120 Delaware Ave., TL 3-7525
CHICAGO 2, ILL., 1 North LaSalle St., CEntral 6-1311
DETROIT 2, MICH., 503 Stephenson Bldg., TRinity 3-3133
LOS ANGELES 22, CALIF., 6277 E. Slauson Ave., OVerbrook 5-8910
NEW YORK 19, N. Y., 666 Fifth Ave., PLaza 7-9600
NIAGARA FALLS, N. Y., 1200 Forty-seventh St., BUtler 5-6655
PHILADELPHIA 3, PA., 6 Penn Center Plaza, LOcust 7-2180
TACOMA 1, WASH., P.O. Box 1646, FUlton 3-2661
WORCESTER 1, MASS., 265 Grafton St., Pleasant 2-1597

PLANTS: Niagara Falls, N. Y.; Tacoma, Wash.; Montague, Mich.; Columbus, Miss.; Columbia, Tenn.; Dallas, Texas; Jeffersonville, Ind.; Adams, Mass.
In Canada: Hooker Chemicals Limited, North Vancouver, B. C.

STOCK POINTS: Chicago, Ill.; Los Angeles, Calif.; Bayonne, N. J.; Weehawken, N. J.

HOOKER CHEMICAL CORPORATION

1200 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.

HOOKER CHEMICALS PLASTICS

HOOKER CHEMICAL CORPORATION
PHOSPHORUS DIVISION — INDUSTRIAL CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Disodium Phosphate Na_2HPO_4 White, free-flowing, anhydrous, granular material.	Mol. Wt. ..... 142 Assay Na_2HPO_4 ..... 99%	In the manufacture of bulk soaps and detergents; as an emulsifying agent in the manufacture of processed cheese. Also widely used in: boiler water treatment; leather production; meat curing; textile applications; dye making. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars or hopper trucks
Ferrophosphorus **24%-26% Phosphorus**	Typical Analysis — % P ..... 24.0 Si ..... 1.5 Fe ..... 68.8 Mn ..... 2.0 S ..... 0.001 Cr ..... 0.06 C 0.060	In steel making to increase fluidity during casting and to improve drawing qualities for wire; to prevent sticking of sheet steel during rolling. Barrels ..... Approx. 1220 lbs. net Pallets ..... Approx. 3500 lbs. net Bulk in hopper cars or box cars
Phosphoric Acids H_3PO_4 **Food Grade (75% and 80%)** **N. F. Grade (85%)** Odorless, water-white, sparkling clear liquids with no turbidity.	Mol. Wt. ..... 98.04 Assay — H_3PO_4 — As P_2O_5 85% — 61.8% 80% — 58.0% 75% — 54.4%	Widely used in food processing, in the preparation of carbonated beverages, sugar refining, molasses processing, yeast manufacture, cream testing; in the manufacture of antibiotics and pharmaceuticals; gelatines; glues and adhesives. Also used in metal treating rustproofing, making commercial metal cleaners; boiler water treatment; roofing materials, etc. Tank cars ..... 8,000 gal. Tank trucks ..... 3,000 gal.
Sodium Hexametaphosphate Amorphous glass of composition equivalent to $Na_{16}P_{14}O_{43}$ White, free-flowing product available in three forms, plates, granular and powder.	Mol. Wt. ..... 1490 Assay (glassy sodium phosphate) 99% as P_2O_5 ..... 67% pH of 1% solution 6.9	In the preparation of dishwashing and detergent compounds, boiler compounds; for industrial and municipal water treatment to prevent scale formation; for conditioning oil drilling muds; in the manufacture and processing of paper, textiles, china clay, etc. Multiwall polyethylene lined, paper bags ..... 100 lbs. net
Hy-Phos (TM) Amorphous glass of composition equivalent to $Na_{12}P_{10}O_{31}$ A form of glassy sodium phosphate manufactured under U.S. Pat. 2,574,047. Available as plates and fines.	Assay (glassy sodium phosphate) 99% as P_2O_5 ..... 65.5% pH of 1% solution 7.5	HY-PHOS possesses all the properties of commercial SHMP, but to a substantially higher degree. The sequestration, detergency, rinsability, etc. are enhanced in HY-PHOS. Multiwall paper bags ..... 100 lbs. net
Sodium Tripolyphosphate, Anhydrous $Na_5P_3O_{10}$ White, free-flowing product available in three forms, spray-dried granular (low density), regular granular (high density), and powder.	Mol. Wt. ..... 367.93 Assay $Na_5P_3O_{10}$ 98%	Major use as a builder in solid synthetic detergents and specialty cleaning compounds. Also for: boiler water treatment; conditioning oil well drilling muds; in the manufacture of cement, paper, textiles, china clay, etc. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars, box cars or hopper trucks
Tetrapotassium Pyrophosphate $K_4P_2O_7$ Deliquescent, white granules, powder, and 60% solution.	Mol. Wt. ..... 330 Assay $K_4P_2O_7$ ..... 97% pH of 1% solution 10.3	Used as a sequestering agent, water softener, dispersion and emulsifying agent in heavy duty liquid detergents, liquid soaps and in cleaning compounds. Multiwall moisture resistant paper bags ..... 100 lbs. net 60% solution in tank trucks
Tetrasodium Pyrophosphate, Anhydrous $Na_4P_2O_7$ White, free-flowing product available in two forms, spray-dried granular and powder.	Mol. Wt. ..... 265.95 Assay $Na_4P_2O_7$ 99.5%	Principally as a builder in synthetic detergents, soaps, and soap specialty products. Also widely used in many industrial applications in glass manufacture; textile processing; paper production, oil drilling, clay processing, boiler water treatment, etc. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars, box cars or hopper trucks

HOOKER CHEMICAL CORPORATION
PHOSPHORUS DIVISION — INDUSTRIAL CHEMICALS

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Trisodium Phosphate $Na_3PO_4 \cdot 12H_2O$ White, crystalline, free-flowing material.	Mol. Wt. ..... 380 Assay Na_3PO_4 ..... 44.3% Min.	Primarily used in the manufacture of cleaners, soaps and detergents, and in cleaning metal and preparing for tin plating. Also used widely in textile processing, water treatment, and synthetic rubber production. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars or hopper trucks

PHOSPHORUS DIVISION — AGRICULTURAL CHEMICALS

Defluorinated Phosphate Feed Grade $Ca_3(PO_4)_2$ **POLLYPHOS®** White, free-flowing granular material.	Phosphorus ..... 18.0% Min. Calcium ..... 31-34% Fluorine ..... 0.18% Max.	Mineral supplement supplying Phosphorus and Calcium in readily available forms for animal and poultry feeds. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars or box cars
Dicalcium Phosphate, Feed Grade $CaHPO_4$ Gray, free-flowing granular material.	Phosphorus ..... 18.5% Min. Calcium ..... 24-27% Fluorine ..... 0.05% Max.	Mineral supplement supplying Phosphorus and Calcium in readily available forms for animal and poultry feeds. Multiwall paper bags ..... 100 lbs. net Bulk in hopper cars or box cars
Phosphate Feed Solution, 75% H_3PO_4 Water-white, odorless liquid.	Mol. Wt. ..... 98.04 Assay H_3PO_4 ..... 75% Phosphorus 23.7%	Feed supplement supplying readily available phosphorus for animal and poultry feeds. Tank cars ..... 8,000 gal. Tank trucks (tariff minimum truckloads)
Phosphatic Fertilizer Solution, 75%-80% H_3PO_4 Clear, odorless, water-white liquid.	Mol. Wt. ..... 98.04 Assay: 75% H_3PO_4 = 54.4% $As\ P_2O_5$; 80% H_3PO_4 = 58.0% $As\ P_2O_5$	In the manufacture of liquid fertilizer formulations and also for direct application. Also used to formulate enriched super-phosphate dry formulations. Tank cars ..... 8,000 gal. Tank trucks ..... 3,000 gal.

For complete technical data, samples, and other information, write, wire, or phone

CHICAGO 2, ILL., 1 North LaSalle St., CEntral 6-1311
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*JEFFERSONVILLE, IND., P.O. Box 326, BUtler 2-1381
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MARYSVILLE, OHIO, P.O. Box 267, Phone 3-1981

*Division Headquarters

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PHOSPHORUS DIVISION

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Printed in U. S. A.



CHEMICALS FROM COAL

Modern chemicals from coal
processed by the nation's leading producer...

KOPPERS

KOPPERS COMPANY, INC.
TAR PRODUCTS DIVISION

Koppers *serves industry with*

From Koppers . . . five new chemical families from coal

Five new additions to the Koppers family of coal chemicals have been released for commercial uses by Koppers in the past several months. Each new product is designed to serve specific current industrial needs, with additional applications still in testing at the Koppers Research Laboratory. These new products, listed below, are further evidence of the contribution made by chemicals from coal to modern industrial progress.

New Chemicals From Coal



Alkylated Phenols

Koppers is now a complete source for such alkylated phenols as mono- and di-butyl phenol, mono- and di-amyl phenol, and other phenol variations. These products, available in normal commercial quantities, are used in resin, paint, plastic, pharmaceutical and textile production.

Chlorinated Naphthalenes

Halowax® chlorinated naphthalenes are available from Koppers as liquids in the mono and di forms and as flaked solids from the tri to octa forms. Noted for their unusual solvent properties and stability at high temperatures, chlorinated naphthalenes are used as engine cleaners, as binders for ceramics, glass and powder metallurgy, for electrical capacitors and as flame retardants.

Chlorinated Paraffins

Koppers chlorinated paraffins are available to industry in all normal commercial quantities. These clear liquids are used as textile flame retardants, and as secondary plasticizers and oil additives.

Flexiphen 160

This new Koppers liquid phenolic intermediate will permit internally plasticized, permanently flexible phenolic molding compounds that have excellent pre-heatability and superior flow characteristics. This product can be used in numerous laminate combinations and various molding functions. It is available in normal commercial quantities.

KER Poly-Epoxy Resins

New Koppers Poly-Epoxy Novolak resins, now available, offer unusual properties such as high softening points and high solubility. These resins are used in encapsulating compounds, paints, coatings, electrical products, laminates and adhesive formulations.

Tar Acids



Xylenols

High purity xylenols are produced by Koppers in the following isomers: 3, 4; 3, 5; and 2,4-2,5 blend.

Cresols and Cresylic Acids

Koppers offers a broad selection of cresols and cresylic acids for use by resin formulators, pharmaceutical producers, lube oil refiners, dyestuff makers and other chemical processors. Special blends and fractions can be produced to meet your requirements, including high purity ortho and meta cresols.

Phenols

Koppers produces a complete range of phenol grades to meet your exact needs for formulation of resins, plasticizers, agricultural chemicals or other products.

Naphthalene Phthalic Anhydride



Naphthalene

Koppers is one of the nation's principal suppliers of crude naphthalene for phthalic anhydride production and refined naphthalene for such uses as synthetic tanning agents, dyestuffs, etc.

Availability: Crude Naphthalene: in tank cars, tank trucks.

Refined Naphthalene: in tank cars, tank trucks, 100 lb. bags.

Phthalic Anhydride

Koppers is basic in phthalic with complete control over raw materials and no captive use of the product. Koppers Phthalic Anhydride has excellent purity, low Hazen and good heat stability: all important for quality end products. Consult your Koppers Coal Chemicals Specialist on your requirements.

Availability: Molten: in tank cars, tank trucks.

Dry: in 80 lb. bags.

uniform, quality coal chemicals

Aromatic Hydrocarbons

Benzols

Koppers can produce benzol to meet your most precise requirements . . . and you can depend on uniformity, shipment after shipment. Whether it is used for styrene, synthetic phenol, aniline, dyes, insecticides or solvents, you'll find Koppers a dependable supplier of benzol.

Availability (In tank cars, tank trucks and barges)
Nitration Benzol — Industrial Pure Benzol



Solvent Naphthas

Available from Koppers in either refined or crude form, solvent naphthas are useful to paint formulators and in the production of many of today's synthetic resins.

Availability (In tank cars and tank trucks)
Refined Hi-Flash Solvent Naphtha
Crude Heavy Solvent Naphtha

Toluols

Toluol is the accepted diluent for lacquer and other nitro-cellulose protective coatings. Also used as an organic chemical, Koppers Toluol meets all standard specifications.

Availability (In tank cars and tank trucks)
Nitration Toluol — Industrial Pure Toluol

Xylols

This ideal solvent for synthetic resins is available from Koppers in the composition and purity best suited to your process. Other uses for xylol include enamel, paint and varnish formulation and the production of dyestuffs, medicinals and perfumes. Koppers xylol has excellent color and uniformity.

Availability (In tank cars and tank trucks)
Nitration Xylol — Five Degree Xylol
Ten Degree Xylol — Industrial Xylol

Tar Bases

Pyridines

This excellent solvent for organic compounds and metallic salts is available in tank cars and 55 gallon galvanized drums.

Picolines



For pharmaceutical, dyestuff or solvent use, picoline is available from Koppers in tank cars and 55 gallon galvanized drums.

Lutidine

Koppers technical grade, 60% 2,4-lutidine composition is available in 55 gallon galvanized drums, 5 and 1 gallon cans.

Collidine

Produced by Koppers with an 80% 2,4,6-collidine content, this product is available in 55 gallon drums, 5 and 1 gallon cans.

Quinoline

Refined Koppers Quinoline is a technical grade available in tank cars, 55 gallon drums, 5 and 1 gallon cans.

15-18 Tar Bases

With a boiling range from 150 to 180 deg. C., these are used where purity is not critical and are available in 55 gallon drums, 5 and 1 gallon cans.

Other Coal Chemicals

Antioxidants

dbpc® Antioxidant is widely used for petroleum products, plastics, waxes and other non-food products. Koppers BHT, in both regular and micro-ground forms, is suitable for protection of foods, feeds and food containers. Available in all normal shipment forms.

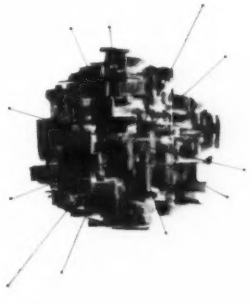
Niacin

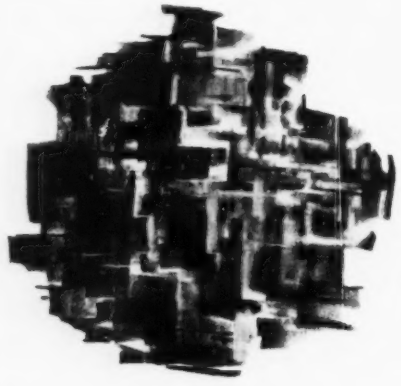


A valuable dietary and feed supplement, Koppers Niacin is available in USP or feed-grade in 100 pound or 50 kilo polyethylene-lined fibre containers. Koppers is basic in niacin; represents a dependable source of supply for this B complex vitamin.

Creosote and Creosote-Coal Tar Solutions

Koppers is the nation's leading supplier of creosote and creosote-coal tar solutions for wood preservation. Helpful information on its use is available from your Koppers Coal Chemicals Specialist.





Anthracene
Carbazole
Phenanthrene
Fluorene
Acenaphthene

These materials are available in research or pilot plant quantities for use as chemical intermediates, dyestuffs and plasticizers.

KOPPERS Tar Products Division helps you with these services

Technical Service

Koppers Coal Chemicals Specialists have accumulated a wealth of experience in the application of these products to various industrial uses. They are also prepared to give you the specialized assistance of the Koppers Technical Department and can assure a practical, economical solution to your production problems.

Firm Delivery Policies

Expanded production facilities have enabled Koppers to provide customers with firm, accurate delivery assurances. Close cooperation with a Koppers representative in planning your requirements can guarantee a continual supply of coal chemicals in the quantity and grade desired.

Uniform Quality Standards

Extensive Koppers experience and perfected production controls permit us to provide you with a uniform product, shipment after shipment.

KOPPERS

KOPPERS COMPANY, INC.
TAR PRODUCTS DIVISION
Pittsburgh 19, Penna.

Koppers Coal Chemicals Specialists at these Tar Products Division offices will assist you in planning your coal chemical requirements:

Birmingham	Chicago	Los Angeles	New York	Pittsburgh
Woodward, Alabama	133 South Michigan Ave. Chicago 3, Illinois	3450 Wilshire Blvd. Los Angeles 5, Cal.	430 Park Avenue New York 22, N. Y.	225 Porter Bldg. Pittsburgh 19, Penna.

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R. W. Greeff

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(partial listing)

ANALGESICS

Acetophenetidin
Methyl Salicylate
Salicylamide
Special Salicylates

ANTIOXIDANTS

No. 221 (Para Hydroxyanisol)
Ethyl Hydrocaffeate
Melilotin (Dihydro Coumarin)
Propenyl Methyl Guaethol

NASAL DECONGESTANTS

Phenylephrine HCL
Phenyl Propanolamine HCL

PRESERVATIVES

ASEPTOFORMS® (Para Hydroxy Benzoates)

SUNSCREENS

HELIOPHAN® Oil Soluble (Homo Menthyl Salicylate)
HELIOPHAN® Water Soluble (Triethanolamine Salicylate)
2-Ethyl Hexyl Salicylate
KELOFORM® I.B. (Isobutyl Para Amino Benzoate)

VITAMINS AND SUPPLEMENTS

Vitamin A, Natural
Vitamin A and D Concentrates
Vitamin A Esters
Niacinamide
Choline Salts
Inositol

SPECIALTIES

Activated Carbon NORIT® N.F. (Pharmaceutical & Medicinal)
Aromatics (soap and perfumery)
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Homatropine Methyl Bromide
Lanolin and Derivatives
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Quinine and Salts
Quinidine and Salts
Saccharin

INDUSTRIAL CHEMICALS

(partial listing)

CHELATING AGENTS

EDTA and other sequestering agents.

DECOLORIZING, DEODORIZING AGENTS

NORIT® Activated Carbons

FUEL ADDITIVES

Tricresyl Phosphate
Cresyl Diphenyl Phosphate
Other types of Phosphate-based Compounds

INSECTICIDES

D.D.T. (Dichloro Diphenyl Trichloroethane)

INTERMEDIATES

Anthranilic Acid
Chloral
Chloral Hydrate
Desoxyanisoin
Diethyl Carbonate
Dimethyl Benzylamine
Glycerol Monochlorhydrin
Isovaleric Acid
Phosgene
Sodium Acetate
Sodium Sulphydrate
Trichlorobenzene
Urethane

INVESTMENT BINDERS (for precision castings)

Ethyl Silicate 28% and 40/42%
Tetra Ethyl Ortho Silicate

PLASTICIZERS

Cresyl Diphenyl Phosphate
Tricresyl Phosphate
Triphenyl Phosphate
Other Phosphates and Phthalates

POLYESTER INTERMEDIATE

DMI (Dimethyl Isophthalate)

Send for complete catalog and literature on specific products.

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We invite your inquiries in strictest confidence.

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Harshaw manufactures over 1000 chemicals which are used in more than 50 industries

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THE HARSHAW CHEMICAL CO.

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JEFFERSON CHEMICAL COMPANY, INC.



for complete sales and product information on these

JEFFERSON CHEMICALS

OXIDES
- Ethylene Oxide
- Propylene Oxide

GLYCOLS
- Ethylene Glycol
- Diethylene Glycol
- Triethylene Glycol
- Tetraethylene Glycol
- HI-DRY® Liquid Desiccant
- Propylene Glycol
- Propylene Glycol, U.S.P.
- Dipropylene Glycol

POLYETHYLENE GLYCOLS

Number represents average molecular weight.
- Polyethylene Glycol 200
- Polyethylene Glycol 300
- Polyethylene Glycol 400(1)
- Polyethylene Glycol 600
- Polyethylene Glycol 1000
- Polyethylene Glycol 550B
- Polyethylene Glycol 1450
- Polyethylene Glycol 4000(1)
- Polyethylene Glycol 6000

POLYPROPYLENE GLYCOLS
- Polypropylene Glycol 400
- Polypropylene Glycol 2000

PROPYLENE OXIDE TRIOLS
- Triol G-1500
- Triol G-3000
- Triol G-4000

NITROGEN COMPOUNDS
- Monoethanolamine
- Diethanolamine
- Triethanolamine(1)
- Morpholine
- N-Methylmorpholine
- N-Ethylmorpholine
- Piperazine, Anhydrous
- Piperazine, Hexahydrate
- Piperazine Salts
- N-Aminoethylpiperazine
- N, N'-Dimethylpiperazine

ORGANIC CHLORINE COMPOUNDS
- Ethylene Dichloride
- Propylene Dichloride

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"N" series, nonionic reaction products of ethylene oxide with nonyl phenol.
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- Ethylene Carbonate
- Propylene Carbonate

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(1) *U. S. P. grade of these chemicals is also available.*

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Plants: West Haverstraw, New York State, Stony Point 6-2734

International sales agent: American British Chemical Supplies, Inc.

DIETHYL PHTHALATE — DIMETHYL PHTHALATE

ORGANIC INTERMEDIATES IN COMMERCIAL QUANTITIES

PRODUCT Formula—Mol. Wt.	USES
BARBITURIC ACID $CH_2CONHCONHCO$ 128.09	Intermediate for organic and pharmaceutical synthesis.
*CYANOACETAMIDE $CNCH_2CONH_2$ 84.08	Organic and pharmaceutical synthesis. Intermediate for: vitamins B_1 and B_6; pantothenic acid; subst. pyridones; subst. coumarins; barbiturates; and certain special resins.
*CYANOACETIC ACID $CNCH_2COOH$ 85.06	Organic and pharmaceutical synthesis. Intermediate for: purine group; certain polymethine dyes; special resins; barbiturates; pantothenic acid; cyanoacetyl urea and other photographic chemicals and coloring agents; malonic acid der.; certain pyrazolones; cyanoacetyl chloride; etc.
*METHYL CYANOACETATE $CNCH_2COOCH_3$ 99.09 *ETHYL CYANOACETATE $CNCH_2COOC_2H_5$ 113.11	Organic and pharmaceutical synthesis. Intermediates for: special cellulose plasticizer; special resins; malonic derivatives; barbiturates; anti-malarials (via ethoxy-subst. methylene cyanoacetate); folic acid; uric acid and derivatives; photographic chemicals (cyanoacetyl urea der. and pyrazolones); 2-thiouracils; amino acids; certain dyes.
*DICHLOROACETIC ACID $Cl_2CHCOOH$ 128.95	Organic and pharmaceutical synthesis. Suggested intermediate for drugs, dyes, insecticides, etc.
*METHYL DICHLOROACETATE $Cl_2CHCOOCH_3$ 143.00 ETHYL DICHLOROACETATE $Cl_2CHCOOC_2H_5$ 157.00	The two chlorine atoms easily replaced by variety of organic groups. Organic and pharmaceutical synthesis.
*DIETHYL MALONATE $CH_2(COOC_2H_5)_2$ 160.17 *DIMETHYL MALONATE $CH_2(COOCH_3)_2$ 132.12	Organic and pharmaceutical synthesis. A very active methylene group is present. Intermediate for barbiturates, antimalarials and other drugs.
*DIETHYL ETHOXYMETHYLENE MALONATE $C_2H_5OCH = C(COOC_2H_5)_2$ 216.23	Source of the ethoxymethylene group in synthesis. Intermediate for organic chemicals and pharmaceuticals, including anti-malarials.

*Technical Data Bulletin Available.

PRODUCT Formula—Mol. Wt.	USES
ETHYL LACTATE $CH_3CHOHCOOC_2H_5$ 118.13	Organic synthesis, lacquer solvent, nitro-cellulose solvent, neoprene latex mold release agent.
*MALONALDEHYDE DIACETAL (see 1,1,3,3-tetraethoxy propane and 1, 1, 3-trimethoxy-3-ethoxy propane)	
*MALONONITRILE $CH_2(CN)_2$ 66.0	Organic and pharmaceutical synthesis. Intermediate for Vit. B_1 synthesis, pyrimidines, dyes, etc.
MALONIC ACID $HOOCCH_2COOH$ 104.06	Classical intermediate for synthesis of many pharmaceuticals dyes, resins, etc.
*METHYL MONOCHLOROACETATE $ClCH_2COOCH_3$ 108.53 *ETHYL MONOCHLOROACETATE $ClCH_2COOC_2H_5$ 122.56	General organic and pharmaceutical synthesis. Intermediate for vitamins and other pharmaceuticals.
*O-HYDROXYACETOPHENONE $C_6H_4(OH)COCH_3$ 136.1	Organic and pharmaceutical synthesis. Intermediate for coumarin derivatives, pharmaceuticals, organic chemicals.
SODIUM BARBITURATE $NaCHCONHCONHCO$ 150.08	Intermediate for organic and pharmaceutical synthesis.
*SODIUM FORMALDEHYDE BISULFITE $NaSO_3CH_2OH$ 134.1	Organic and pharmaceutical synthesis. Suggested intermediate for photographic chemicals, dyes, medicinals.
*1,1,3,3-TETRAETHOXY PROPANE $(C_2H_5O)_2CHCH_2CH(OC_2H_5)_2$ 220.3 *1,1,3-TRIMETHOXY-3-ETHOXY PROPANE $(CH_3O)_2CHCH_2CH(OCH_3)(OC_2H_5)$ 178.22	Intermediate in synthesis of pyrimidines, pyrazoles, pharmaceutical and general organic synthesis. Cross linking and insolubilizing agent.
*TRIETHYL ORTHOFORMATE $HC(OC_2H_5)_3$ 148.2 *TRIMETHYL ORTHOFORMATE $HC(OCH_3)_3$ 106.12	Organic and pharmaceutical synthesis. Intermediate for Vit. B_1; anti-malarials; useful polymerization product; polymethine dyes; acetals and photographic chemicals.

*Technical Data Bulletin Available.

KAY-FRIES DEVELOPMENT CHEMICALS

Pilot plant quantities of the following are available on order (only properties are given).

Ammonium Barbiturate—powder

Benzophenone—white flakes, m.p. 47°-48° C.

2—Chlorothiaxanthone—solid m.p. 150° C.

Cyanoacethydrazide—white crystalline solid, m.p. 108-109° C.

Cyclohexene—liquid, b.p. 83° C.

Dichloroacetyl chloride*—colorless liquid, b.p. 105-110° C.

4, 6—Dihydroxypyrimidine—powder

Ethoxymethylene malononitrile—m.p. 65-66° C., b.p. 156-157° C. @ 15 mm.

p-Hydroxyacetophenone—white crystalline solid, m.p. 109° C.

Malonodiamide—crystals, m.p. 170-174° C.

p-Methoxyphenylacetic acid—m.p. 85-87° C.

Methyl dimethoxy acetate (methyl glyoxylate, dimethyl acetal) —colorless liquid, b.p. 61-64° C @ 12 mm.

Phenyl acetate—colorless liquid, b.p. 195-196° C.

Phthalic acid—colorless crystals, m.p. 201-203° C.

Triethyl orthoacetate—colorless liquid, b.p. 144-148° C.

Triethyl orthopropionate—colorless liquid, b.p. 155-160° C.

3,4,5-Trimethoxybenzoic acid—m.p. 170° C.

Research quantities of the following chemicals are available.

2—Chlorthiaxanthene—solid m.p. 103° C.

Ethyl ethoxylmethylene cyanoacetate—solid, m.p. 51° C.

o-Methoxyphenylacetic acid—m.p. 120-123° C.

Malonodiamide—crystals, m.p. 170-174° C.

Tetraethyl orthocarbonate—b.p. 154-158° C.

Ethyl N-methyl-carbanate 6.p. 168-169° C.

LITHIUM



CHEMICALS

Lithium aluminate
Lithium bromide
Lithium carbonate
Lithium chloride
Lithium cobaltite
Lithium fluoride
Lithium hydroxide monohydrate
Lithium manganite
Lithium metasilicate
Lithium molybdate
Lithium nitrate
Lithium sulfate
Lithium titanate
Lithium zirconate
Lithium zirconium silicate

METAL AND DERIVATIVES

Lithium metal
Lithium dispersions
Lithium amide
Lithium hydride
n-Butyllithium
sec-Butyllithium

PRODUCT DATA SHEETS

are available for all products and our technical staff is at your service for recommendations regarding the application of Lithium chemicals to your operations. Write on your letterhead to:

LITHIUM CORPORATION OF AMERICA, INC.

General Offices: 500 Fifth Avenue, New York 36, N. Y.

Sales Offices: Cleveland 14, Ohio • Chicago 1, Ill. • Los Angeles 36, Calif. • Bessemer City, N. C.
Telephone: 216-241-6642 312-332-2616 213-387-5151 704-629-2282

Miles Chemical Company

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DIVISION OF MILES LABORATORIES, INC., ELKHART, INDIANA
General Sales Offices: Elkhart, Ind., Telephone COngress 4-3111 TWX—Elk-8795 • Clinton, N.J., Telephone PRescott 9-4776 TWX—Pas-78 • New York, N.Y., Telephone MUrray Hill 2-7970

Acids — Food Grade

Citric Acid USP
L (+) Lactic Acid (experimental)

Antioxidants

SUCONOX-4 SUCONOX-9 SUCONOX-12 SUCONOX-18

SUCONOX® is the trademark of a series of amides of p-aminophenol having antioxidant properties.* They have found application in synthetic rubbers and other polymers, including polyethylene. Write for technical bulletin and samples.
*Patent No. 2,711,415

Erythorbic Acid (isoascorbic) and its salts:

Extremely effective in meat, fish, frozen fruit and beverage products.

Glucose Oxidase:

An enzyme system which catalyzes the reaction of glucose and free oxygen in hermetically sealed containers to form gluconic acid.

New Products for Investigation

Beta-Phenylethylamine
N-Benzyl Aniline
Acetyl Triallyl Citrate

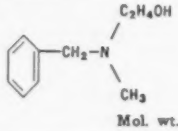
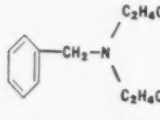
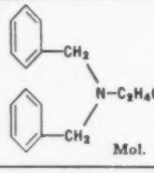
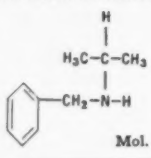
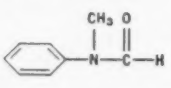
N, N-Dibenzyl-N, N-Dimethyl Ammonium Chloride
p-Hydroxypropiophenone
N-Benzyl N, N, N-Trimethyl Ammonium Hydroxide (40% in Methanol)
Write for specifications and samples.

SUMSTAR® (polymeric dialdehyde)

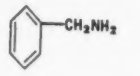
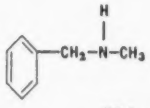
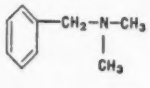
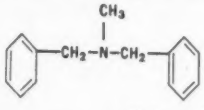
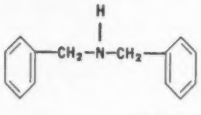
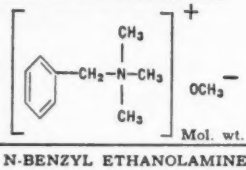
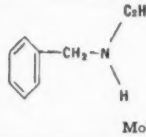
Commercially available for wet and dry strength in paper by wet end addition. Also used as a cross-linking agent in adhesives, leather, textiles and plastics.

Rigid quality control has helped Sumner fine chemicals maintain an excellent reputation in the pharmaceutical field. The following series of amines and antioxidants now are available in pilot plant or commercial quantities. The industrial applications of most of these amines are well established. All warrant investigation. Write for further information, experimental samples and prices.

CHEMICAL INTERMEDIATES

PRODUCT	DESCRIPTION	USES	CONTAINERS
N-BENZYL-N-METHYL ETHANOLAMINE  Mol. wt. 165.24	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.006 at 27°C Refractive index 1.5250-1.5270 at 25°C Distilling range—95 to 105°C at 2mm Hg % amine on steam distillation 3.3% Solubility of H_2O in amine—33.6 Gm. H_2O/100 Gm. amine	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-BENZYL DIETHANOLAMINE  Mol. wt. 195.27	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.073 at 25°C Refractive index 1.5345-1.5375 at 25°C Distilling range—155 to 165°C at 2mm Hg % amine on steam distillation nil Solubility of H_2O in amine, completely miscible	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N,N-DIBENZYL ETHANOLAMINE  Mol. wt. 241.34	Colorless to light yellow liquid Assay 95% minimum Distilling range—95% distills—135-140°C at 2mm Hg May partially solidify at room temperature % amine of steam distillation 0.15%	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-BENZYL-ISOPROPYLAMINE  Mol. wt. 149.24	Colorless to yellow liquid Assay 97 to 102% Specific Gravity 0.895 at 25°C Refractive index 1.4995-1.5015 at 25°C % amine on steam distillation 18%	These properties suggest its use as a rust inhibitor in various applications. This secondary amine is also useful as an intermediate in various chemical syntheses such as preparation of quaternaries.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-METHYL-FORMANILIDE  Mol. wt. 135.16	Colorless to light yellow liquid Assay 95% min. by U.V. Refractive index 1.5570-1.5600 at 25°C Distilling range—95% distills—127 to 131°C at 16mm Hg	Used in the formulation of aromatic compounds using phosphorus oxychloride as a condensing agent	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net

CHEMICAL INTERMEDIATES

PRODUCT	DESCRIPTION	USES	CONTAINERS
BENZYLAMINE  Mol. wt. 107.15	Colorless to light yellow liquid Assay 98% minimum Specific Gravity 0.970 at 25°C Refractive index 1.5405-1.5420 at 25°C Distilling range — 95% distills — 182 to 185°C at 760mm Hg Residue on evaporation 0.2% max.	Intermediate in the synthesis of quaternary ammonium compounds and various other types of organic synthesis. As an oil-soluble rust inhibitor.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYLMETHYLAMINE  Mol. wt. 121.18	Colorless to light yellow liquid Assay 97% minimum Specific Gravity 0.936 at 25°C Refractive index 1.5185-1.5220 at 25°C Distilling range — 95% distills — 183 to 188°C at 760mm Hg Residue on evaporation 0.2% max.	May be used to produce quaternary ammonium compounds or as a methylaminating agent in organic chemical synthesis. It has antirust properties	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYLDIMETHYLAMINE  Mol. wt. 135.21	Colorless to light yellow liquid Assay 97% minimum Specific Gravity 0.894 at 27°C Refractive index 1.4985-1.5005 at 25°C Distilling range — 95% distills — 65-68°C at 18mm Hg Residue on evaporation 0.2% max.	As an intermediate in chemical synthesis and in reactions in which an organic base is required. Suggested as a catalyst in epoxy resins.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs net
N,N-DIBENZYLMETHYLAMINE  Mol. wt. 211.29	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 0.99 to 25°C Refractive index 1.5560-1.5590 at 25°C Distilling range — 95% distills — 152 to 158°C at 11mm Hg Residue on evaporation 0.2% max.	As an intermediate for chemical synthesis. Its insolubility in water and its solubility in organic liquids suggest its use as an oil-soluble rust-inhibitor or as an ingredient in cutting oils, hydraulic fluids, specialty lubricants and similar application to block corrosive activity of acids produced by oxidation	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs net
N,N-DIBENZYLAMINE  Mol. wt. 197.27	Colorless to pale yellow liquid Assay 95% minimum Specific Gravity 1.017 at 20°C Refractive index 1.5730-1.5740 at 25°C Distilling range — 95% distills — 168 to 172°C at 10mm Hg Melting range of hydrochloride 259 to 262°C Benzylidene — none by test Benzylamine — none by test	As an intermediate in the synthesis of quaternary ammonium compounds and various other types of organic compounds. It has antirust properties.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYL TRIMETHYL AMMONIUM METHOXIDE  Mol. wt. 181.28	Yellow liquid Assay 38-42% in Methanol Distilling range — Decomposes on distillation Chlorides — 0.1% max. Trimethylamine — 0.5% max.	Catalyst in organic reactions or catalyst in basic curing of resins. Organic soluble strong base where alkaline earth bases would not perform	Steel drums
N-BENZYL ETHANOLAMINE  Mol. wt. 151.21	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.044 at 27°C Refractive index 1.5400-1.5430 at 25°C Distilling range — 240 to 255°C at 760mm Hg % amine on steam distillation .05% Solubility of H_2O in amine 5 parts H_2O to 1 part amine	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net

MILES CHEMICAL COMPANY

Bulk Pharmaceuticals

Carbromal, N.F.
Mephenesin, N.F.
p-Aminosalicylic Acid and Salts, U.S.P.
Dextro Desoxyephedrine Hydrochloride, U.S.P.
Dextro Amphetamine Sulfate, U.S.P.
N-Acetyl-p-Aminophenol (ACETAMINOPHEN)

Recognized as the active metabolite of acetanilide and phenacetin, producing an effective antipyretic-analgesic response for relief of simple headaches and fevers.

Enzymes

A most complete line of commercial enzymes available from a basic producer:

Amylases	Cellulase
Proteases	Catalase
Pectinases	Glucose Oxidase
	Lipase

made from animal, plant and microbial sources.

Information presented here is believed to be accurate but carries no guarantee or responsibility on the part of the Miles Chemical Company. In addition, none of this information can be taken as a recommendation to use the materials as described in violation of existing or future patents.

M H I

Metal Hydrides Incorporated

PIONEERS IN HYDRIDE CHEMISTRY

Congress Street
Beverly, Massachusetts

SODIUM BOROHYDRIDE $NaBH_4$

Properties — Molecular Weight: 37.8. Bulk Density: 0.229g/cc. Decomposition Temperature: 300°C in dry air. Appearance: White powder. Also available as Sodium Borohydride —SWS, a stable, aqueous caustic solution, and in pellet form. Solubility: Water, ethyl alcohol, isopropyl alcohol, isopropylamine, morpholine, pyridine, dimethyl cellosolve, dimethyl ether of diethylene glycol.

Applications—A reducing agent for aldehydes, ketones, and Schiff bases in non-aqueous solvent systems it will reduce acids, esters, acid chlorides, disulfides and nitriles, etc. In aqueous solutions it reduces the next lowest stable valence ions of cerium, chromium, iron, vanadium, manganese, thallium and molybdenum. Many salts are reduced or precipitated as borides or mixtures. Other applications include the generation of diborane; as a foaming agent for organic and inorganic foams; cleaning up aldehyde, ketone and peroxide impurities in organic chemicals.

CALCIUM HYDRIDE CaH_2

Properties—Molecular Weight: 42:10. Specific Gravity: 1.8. Decomposition Temperature: 600°C. Appearance: Gray-white lumpy powder. Solubility: Insoluble in all solvents.

Applications — Ease of use simplifies super drying. As a portable source of hydrogen, its reaction with water releases approximately 17 cubic feet of hydrogen per pound of hydride. An effective inorganic reducing agent at high temperatures.

ZIRCONIUM HYDRIDE ZrH_2

Properties—Particle Size: —325 mesh. Average, 2-6 microns. Appearance: Metallic, dark-gray to black powder. Crystalline Form: Face centered tetragonal a–4.964A b–4.40A. Bulk Density: 2.4 g/cc. True Density: 5.6 g/cc. Melting: Dissociates to zirconium metal and hydrogen. (MP zirconium metal, 1857°C). Dissociation and Thermal Stability: ZrH_2 is the limiting composition of the complex zirconium-hydrogen system. The dissociation pressure varies with temperature and with the content of such impurities as oxygen, nitrogen, and trace metals. Hydrogen Content: One gram of ZrH_2 contains 240 cc H_2 at STP.

Applications—ZrH_2 Grade C is used as a getter in electronic tubes. In powder metallurgy, Grade C is used as pure hydrogen source to prevent oxidation, and can be used for making zirconium powder-metallurgy parts. MHI ZrH_2 Grade R is used in atomic reactor components as a moderator. Hafnium content is less than 0.01%. Can be mixed with other powders and compacted for fuel elements. Added to construction materials, it can be used for shielding reactors. Chemical reactions include the reduction of oxides and halides of less active metals at elevated temperatures.

TITANIUM HYDRIDE TiH_2

Properties — Molecular Weight: 49.9. Bulk Density: 0.9 grams/cc. Appearance: Dark gray powder, finely divided. Dissociation: Appreciable at approximately 450°C. TiH_2 will release approximately 450 cc's of hydrogen per gram of hydride upon complete decomposition.

Applications—Major applications are in the field of powder metallurgy. Increases densities and provides a protective atmosphere. It has application, as well, as a getter for hydrogen purification. Because of its ability to wet ceramics and glass, it is used as a fluxing agent in preparing glass-to-metal and ceramic-to-metal seals.

POTASSIUM BOROHYDRIDE KBH_4

Properties — Molecular Weight: 53.95. Bulk Density: About .7g/cc. Decomposition Temperature: Stable up to 300°C in air and under normal conditions is nonhygroscopic. Negative heat of solution. Appearance: White crystalline powder and in pellet form. Solubility: Water, methyl alcohol, water-alcohol mixtures, liquid ammonia.

Applications—Chemically, potassium borohydride is similar to sodium borohydride. It is a water soluble reducing agent for aldehydes and ketones and in non-aqueous systems for esters and acid chlorides.

LITHIUM ALUMINUM HYDRIDE $LiAlH_4$

Properties — Molecular Weight: 37.94. Bulk Density: Approximately 0.20 grams per cc. Appearance: Gray-white lumpy powder. Decomposition Temperature: Above 125°C in dry air. Solubility: Diethyl ether, tetrahydrofuran, dimethyl cellosolve and pyridine can be slurried in inert media.

Applications—A selective reducing agent for organic acids, esters, aldehydes, ketones, anhydrides, acid chloride, amides, nitriles, aldimines, etc. Uses include hormone synthesis, vitamin preparation and steps in the manufacture of other pharmaceutical products. An ideal reducing agent for functional groups of unsaturated compounds.

SODIUM HYDRIDE NaH

Properties — Molecular Weight: 24.0. Bulk Density: 30-38 lbs/cu. ft. Decomposition Temperature: 423°C under hydrogen without melting. Appearance: a 50% dispersion of micron-range NaH crystals in mineral oil. Solubility: Insoluble in all solvents. Can be slurried in any inert solvent.

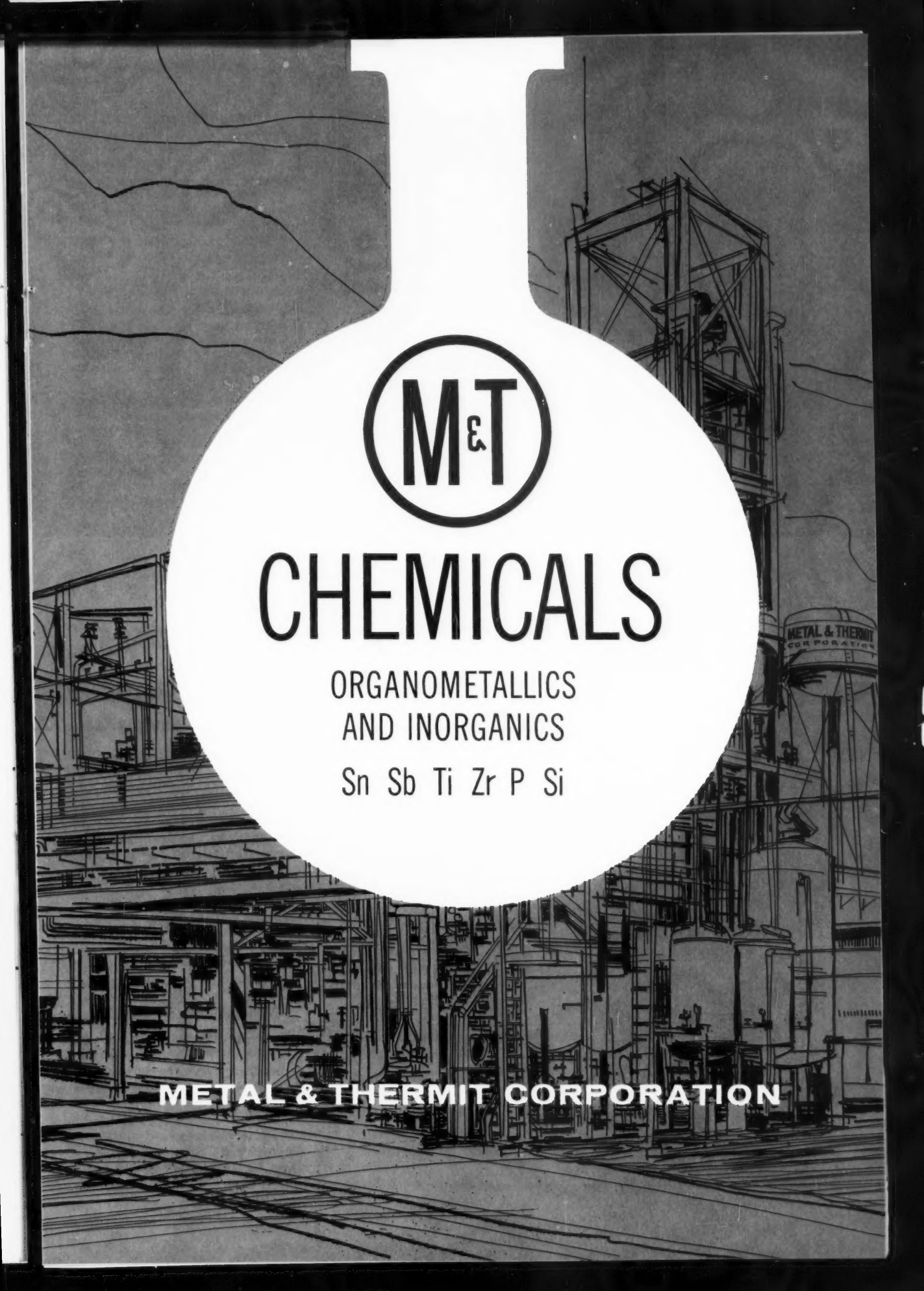
Applications — Ideal for reactions requiring a base as a reagent, sodium hydride provides advantages for alkylation, condensation, transesterification and carbethoxylation steps. Base catalyzed condensations and alkylations are performed more rapidly and conveniently. It is particularly effective for the alkylation of amines. It can be handled safely and reaction control is easy and accurate.

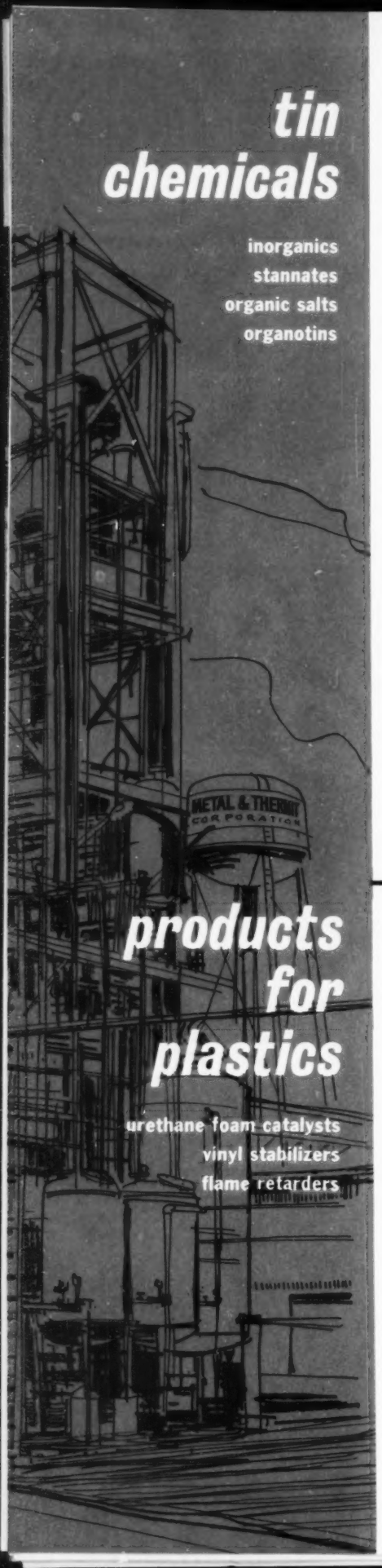
OTHER HYDRIDES
For Chemistry and Metallurgy

- Lithium Aluminum tri-tertiary Butoxy Hydride
- Lithium Borohydride
- Titanium Metal and Alloys
- Zirconium Metal Alloys
- Thorium
- Chromium
- Nickel-Powders
- Zircaloys
- Deuterides
- Metal Nitrides

TECHNICAL SERVICE AND CONTRACT RESEARCH — Metal Hydrides Incorporated invites you to write or call for technical service, technical bulletins or samples. If you feel hydride chemistry or metallurgy can be of value to you in exploiting projects now in the idea stage, you are welcome to get complete details concerning MHI's contract research services.

M H I *Metal Hydrides Incorporated*
Congress Street
Beverly, Massachusetts


M&T
CHEMICALS
ORGANOMETALLICS
AND INORGANICS
Sn Sb Ti Zr P Si
METAL & THERMIT CORPORATION



tin chemicals

inorganics
stannates
organic salts
organotins

products for plastics

urethane foam catalysts
vinyl stabilizers
flame retarders

INORGANICS

STANNIC CHLORIDE $SnCl_4$
(anhydrous tin tetrachloride)

Colorless, fuming liquid • Soluble in carbon tetrachloride, benzene, toluene, cold water, alcohol, acetone, kerosene and gasoline • Freezing Point: —33°C • Boiling Point: 114°C.

● Stabilizer for colors and perfumes in soap. To produce electrically-conducting, abrasion-resistant or light-reflecting coatings on glass or other vitrified ceramic bodies. Catalyst. Manufacture of pharmaceuticals. As a chemical intermediate. Weighting of silk.

STANNIC CHLORIDE PENTAHYDRATE $SnCl_4 \cdot 5H_2O$

White Solid • Melting Point: 56°C • Soluble in water or alcohol.

● An easily handled solid used in place of $SnCl_4$ anhydrous where the presence of water is not objectionable.

STANNOCHLOR® $SnCl_2$
(anhydrous stannous chloride)

White solid in flake form • Soluble in water, ethanol, acetone, ether, methyl acetate, methyl ethyl ketone, methyl isobutyl ketone and isobutyl alcohol • Insoluble in mineral spirits, petroleum naphtha and xylene • Melting Point: 246°C.

● Immersion tinning. Liquor finishing of wire. Major ingredient in acid electro-tin and tin-nickel plating solutions. Powerful reducing agent. Stabilizer for perfume in soaps. Catalyst in organic reactions. Analytical reagent. Sensitizing of glass and plastics before metallizing. Tanning agent. Soldering flux. Intermediate for tin chemicals. Manufacture of: color pigments, pharmaceuticals, sensitized paper, lubricating oil additives.

STANNOUS PYROPHOSPHATE $Sn_2P_2O_7$
White, free-flowing crystals • Insoluble in water.

STANNOUS OXIDE **SnO**

Black Crystals • Specific Gravity 6.9 • Reacts readily with mineral and organic acids • Soluble in strong alkalis to form solutions which decompose slowly.

● Intermediate for making stannous salts for various industries including plating and glass manufacture. Component of ruby-red and black glasses.

STANNIC OXIDE SnO_2

White Powder • Insoluble in water or alkalis. Soluble in conc. sulfuric acid.

● PRIME METAL TIN OXIDE—Prepared especially for the manufacture of ceramic stains, such as tin-vanadium yellows, chrome-tin pinks and maroons, and other tin-bearing colors. Also an excellent glaze opacifier. Polishing agent for plastics.

LIGHT AND SPECIAL WHITE TIN OXIDES—Stabilizers of color in colored glazes, such as blue, green and yellow glazes. Excellent opacifiers for glazes and enamels. Components of special dielectric and refractory bodies. Important ingredient in manufacture of ruby-red and black glasses. Principal polishing agents for marble, granite and other decorative stones and minerals.

STANNOUS SULFATE $SnSO_4$

White Crystals • Soluble in water; slowly decomposes to a basic sulfate • Decomposed at 360°C.

● Liquor finishing for drawing and finishing steel wire. Electroplating of tin and tin alloys.

STANNOUS FLUORIDE SnF_2

White crystalline solid • Soluble in water at room temperature.

TIN CHLORIDES and TIN OXIDES

See stannic and stannous listings

Catalysts for Urethane Foam Production

...a complete line of one-shot foam catalysts, including:

M&T Catalyst T-9—A unique stannous catalyst that retains its catalytic activity for superior, uniform foams.

M&T Catalyst T-18—A stannous type that helps minimize foam softening.

M&T Catalyst T-8 (Dibutyltin di-2-ethylhexoate) and **M&T Catalyst T-12**—These organotins have been widely used, frequently in combination.

M&T Dibutyltin Diacetate—A specialized catalyst used in sprayable rigids.

M&T Catalyst T-27—A new catalyst for spraying formulations. Gives fast rising and excellent package stability in resin premixes.

Stannous Octoate (Stabilized)

Stannous Oleate (Stabilized)

Thermolite® Organotin Stabilizers

...used alone for unmatched performance in optical clears, or synergistically to greatly boost the stablization characteristics of less effective stabilizers. Thermolite Organotins are the first choice for premium crystal clarity in PVC—and are often the successful last resort when other stabilizers fail under difficult processing conditions.

FOR ULTRA-HIGH TEMPERATURE STABILITY

...in the processing of rigids and semi-rigids

Thermolite 35—This new, unique stabilizer is the most powerful known for PVC.

Thermolite 31—Processing at 350° F and above is practical with this stabilizer...the standard stabilizer for heat stability in clear or pigmented rigids.

Thermolite 20—Lubrication is built into the molecule of this organotin. For use alone or with Thermolite 31, as lubrication requirements dictate.

Stannates

BISMUTH STANNATE $Bi_2(SnO_3)_3 \cdot 5H_2O$

Light colored crystalline powder • Insoluble in water • Approximate temperature of dehydration is about 140°C.

● Component of ceramic capacitors; especially useful with barium titanate to provide capacitors of exceptional stability and long life at elevated temperatures.

POTASSIUM STANNATE

$K_2Sn(OH)_6$ or $K_2SnO_3 \cdot 3H_2O$

White to light tan crystals • Soluble in water.

● High speed alkaline electroplating of tin. Immersion tinning of copper, copper alloys and aluminum alloys.

SODIUM STANNATE

$Na_2Sn(OH)_6$ or $Na_2SnO_3 \cdot 3H_2O$

White to light tan crystals • Soluble in water.

● Alkaline electroplating of tin. Immersion tinning of aluminum alloys. Stabilizer for hydrogen peroxide. Manufacture of blueprint paper. Textile treatment.

OTHER STANNATES

Many other stannates including those of calcium, lead, magnesium and nickel are available from M&T.

Salts of Organic Acids

STANNOUS OLEATE $Sn(O_2CC_{17}H_{33})_2$

STANNOUS OCTOATE $Sn(O_2CC_7H_{15})_2$

ORGANOTINS

bioMeT* Biochemical Products

TBTO* $(C_4H_9)_3SnOSn(C_4H_9)_3$

BIS (TRI-N-BUTYLTIN) OXIDE

Light yellow liquid • Miscible in most organic solvents • Practically insoluble in water • Boiling point: 180°C @ 2mm.

TBTO® is representative of a new class of triorganotin compounds which will control fungi, bacteria, algae and marine organisms. Compatibility with other biochemicals is broad, permitting unlimited formulation possibilities. TBTO also exhibits adsorption without deactivation, an advantage when residual control is needed under severe leaching conditions. This unique organotin is recommended for the following applications.

● Slime control in process water used for cooling, in paper mills, or for injection in secondary oil recovery.

● Marine and terrestrial wood preservation.

● Anti-fouling ingredient in ship-bottom paints.

● Mildew control in water thinned paints.

● Textile purifying applied either as a finish, in synthetic fiber manufacture, or in detergents or softeners.

● Home and institutional germicide.

● Other uses, such as the controlling of fungi and bacteria which attack adhesives, leather, and wax, remain to be explored.

*Trademark

TRIBUTYLTIN CHLORIDE $(C_4H_9)_3SnCl$

Colorless liquid • Miscible in most organic solvents • Practically insoluble in water • Boiling point: 135°-140°C at 10 mm.

This economically priced tributyltin offers biological activity which is very similar to TBTO. The major advantage of tributyltin chloride is cost and it should be considered as a possible substitute in applications where odor and toxicity are not important.

Other Organotins:

DIBUTYLTIN OXIDE $[(C_4H_9)_2SnO—]x$

TETRABUTYLTIN $(C_4H_9)_4Sn$

TETRAPHENYLTIN $(C_6H_5)_4Sn$

DIBUTYLTIN DIACETATE $(C_4H_9)_2Sn(O_2CCH_3)_2$

DIBUTYLTIN DILAURATE $(C_4H_9)_2Sn(O_2CC_{11}H_{23})_2$

DIBUTYLTIN DI-2-ETHYL HEXOATE $(C_4H_9)_2Sn(O_2CC_7H_{15})_2$

DIBUTYLTIN MALEATE $[(C_4H_9)_2SnO_2CCHCHCO_2—]x$

(Additional organotins are available in development quantities—See back page.)

FOR VERY-HIGH TEMPERATURE STABILITY

Thermolite 13—Outstanding light stability and excellent heat stability are contributed by an organotin-dienophilic combination in the molecular structure. Particularly suitable for plastisols, rigids, semi-rigids and blending with other Thermolites.

Thermolite 17—Combines the heat stability of the dienophilic Thermolite 13 with the high-lubrication of Thermolite 12. An ideal stabilizer for calendering and extrusions.

Thermolite 12—Outstanding light stabilization and excellent lubrication augment good heat stability. These properties plus ready solubility in plasticizers make it unusually useful for plastisols and organosols.

FOR ALL-PURPOSE ORGANOTIN STABILIZATION

Thermolite 25—Widely used in plastisols because of its excellent heat and light stability and is especially valuable in slush molding where it gives no plate-out problems.

Thermolite 26—A self-lubricating stabilizer with good heat and light stability, especially recommended for calendering vinyl copolymers for decorative sheeting, etc.

Thermolite Liquid Ba-Cd Stabilizers

...a unique, new concept in Ba-Cd stabilizers for low-cost processing clarity and outstanding light stabilization.

Thermolite 112—A completely aromatic-based, low-volatility stabilizer giving crystal clarity and excellent light stability. Soluble in all plasticizers, this Ba-Cd stabilizer overcomes plate-out in calendering and extrusions.

Thermolite 116—A superior high-heat-stability stabilizer which also provides excellent light stability for clear and pigmented compounds.

Thermolite 119—For optical clarity in calendered vinyl films without any plate-out on rolls!

Thermolite Auxiliary Stabilizers

...designed to augment the compounding and performance characteristics of the primary stabilizers.

Thermolite 166—A liquid-zinc stabilizer used in conjunction with Ba-Cd types to improve initial color, reduce plastisol viscosity and overcome sulfur staining.

Thermolite 180—An antioxidant-stabilizer of purely organic composition for use with all metal stabilizers to improve light stability, help overcome plate-out, and prevent yellowing during processing.

M&T Flame Retarders

...for incorporation in PVC and other chlorine-containing films and coatings to provide "non-inflammable" characteristics.

M&T Thermoguard*H—high tinctorial strength antimony oxide—for whites and pastels where it contributes useful white-tinting strength.

M&T Thermoguard*L—low tinctorial strength antimony oxide—a minimum—opacity antimony oxide particularly suitable for deeper colors.

M&T Flame Retarder—an antimony-based flame retarder that has one-fifth the tinting strength of antimony oxide; designed for semi-transparent plastics or those containing high-cost pigments and toners.

Dustless and Dispersed Grades also available.

*Trademark

antimony and zirconium...

chemicals
minerals

ANTIMONY OXIDE Sb_2O_3
(antimony trioxide)

Fine, white powder • Fineness: 99% through 325 mesh (wet sieve) • Very slightly soluble in water • Soluble in aq. HCl, KOH, tartaric acid.

● Opacifier and adherence promoter for vitreous enamels. Component of yellow ceramic colors. Flame retardant component in vinyl plastics (See THERMOGUARD grades under "M&T Plastics Chemicals"). Fining agent and decolorizer for glass. Component of photo-sensitive glasses, infrared-transmitting glasses and phosphors.

Dustless and Dispersed Grades also available.

SODIUM ANTIMONATE $Na_2O{\cdot}Sb_2O_5{\cdot}\frac{1}{2}H_2O$
(sodium meta-antimonate)

White crystalline powder • Fineness: 99.6% through 325 mesh (wet sieve).

● Vitreous enamel opacifier. Glass fining agent.

ULTROX® OPACIFIERS $ZrSiO_4$

ULTROX opacifiers are specially prepared powdered (technical) zirconium silicate, produced to provide optimum opacification properties in ceramic glazes.

Ultrox Standard—For all colors and most whites. The "standard" in the trade. Average particle size: 2 microns.

Ultrox 500W—For strong whites, pastels and special covering problems. Av. par. size: 1.5 micron.

Ultrox 1000W—For ultra-whites to match white enamel fixtures. Av. par. size: 0.6 micron.

OREFRACTION® ZIRCONS $ZrSiO_4$

Granular or fine white powder • Grades: Granular 140, 200, 325, 400 and 600 mesh.

● ZIRCON is an ingredient of enamels, refractories and molding sands, and is the source of zirconium chemicals.

OTHER M&T MINERALS

VIRFLUX* SPECIAL RUTILE—an economical source of TiO_2

ILMENITE—raw material for titanium compounds

VIRFLUX* PR-5—low cost mineral rutile pigment

M&T APLITE*—an alkali-alumina silicate

*Trademark

ORGANOMETALLICS

Organoantimony Chemicals
Organobismuth Chemicals
Organophosphorus Chemicals
Organosilicon Chemicals
Organotin Chemicals

...available in development quantities from M&T's COMMERCIAL DEVELOPMENT DIVISION, 100 Park Avenue, New York 17, New York. A detailed listing will be sent on request.

M&T Chemicals

...include the most complete line of tin inorganics and organotins available. In addition, M&T's pioneering work in organometallics has broadened until Metal & Thermit now leads in versatile research, development and production of these new chemicals. Special chemical products have also been developed to meet the specific needs of the plastics and ceramics industries.

Other activities of Metal & Thermit Corporation include:

MINERALS DIVISION—**Aplite** for use in making glass. **Rutile** for welding electrode coatings, ceramic applications, and manufacture of titanium alloys. **Ilmenite** for pigments used in paint, rubber, linoleum and similar products.

COATINGS DIVISION—producing chemical-resisting protective and decorative organic coatings. Many are specifically designed to withstand acids, alkalies, and other corrosives, as linings or exterior coatings for tanks, drums, and other process equipment.

PLATING PRODUCTS—plating processes, equipment and chemicals for plating of tin, copper, nickel, chromium, zinc, and certain alloys.

WELDING PRODUCTS DIVISION—offering a complete line of welding electrodes, welding machines, and accessories.

DETINNING DIVISION—detinning of tin plate scrap.

More complete information on M&T products available on request.

M&T Chemicals
METAL & THERMIT Corporation

General Offices: Rahway, N. J.

Atlanta • Detroit • East Chicago • Los Angeles • Pittsburgh • South San Francisco • In Canada: M&T Products of Canada Ltd., Rexdale, Ont.

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RESIN EMULSIONS
SYNTANS
SOFTENERS
GAS FADING INHIBITORS
ENZYMES
NATURAL GUMS
METALLIC SOAPS
STABILIZERS
INORGANIC COMPOUNDS
PVA EMULSIONS
FINE CHEMICALS
URETHANE CELLULAR PLASTICS

Continuing research and development for more than 50 years has enabled Nopco to build up a comprehensive range of chemicals which are basic to many industrial processes. The following pages list some of the more important ones and summarize their functions. Ask for detailed information on how these chemicals can be put to your use and remember that the services of our many laboratory staffs are freely at your disposal.

PARTIAL LIST OF NOPCO PROCESSING CHEMICALS

More and more, leading manufacturers are depending on Nopco to supply chemicals of the quality and purity they need for modern industrial processes. In these pages you will find a broad selection of those most often called for. It is far from complete. Many of our customers require chemical products of a special nature — and in our many years of satisfying their demands we have formulated many chemicals additional to those listed here. If we do not stock what you need, depend on our facilities and capabilities to produce it for you.

SURFACTANTS

NAME	CHEMICAL CLASS	USE
Hyonic® FA Series	Conventional alkylolamides derived from coconut oil or coconut fatty acids	Liquid laundry detergents, hard surface cleaners, upholstery shampoos, emulsifiers, wetting agents.
Sellogen® Series	Sodium methyl oleoyl taurates	Wetting agents, light duty textile scouring.
Hyonic LA Series	High purity alkylolamides derived from lauric acid esters	Foam stabilizers and thickeners for liquid detergents, shampoos, etc.
Hyonic PE Series	Alkyl phenol-ethylene oxide condensates	Liquid dishwashing detergents, textile scouring, metal cleaners, dairy detergents, rug shampoos, general purpose nonionic wetting agents, emulsifiers, etc.
Nopcosulf® Series	Sulfated oils, fatty acids, and fatty esters	Mineral oil emulsifiers, dyestuff dispersants, latex paint additives, cosmetic emulsifiers, textile wetting and re-wetting agents, paper wetting agents and softeners.
Nopalcol® Series	Diethylene glycol and polyethylene glycol fatty esters	General purpose emulsifying agents for oils, solvents, essential oils, opacifying agents for cosmetics, etc.
Parnol® Series	Alkyl aryl sulfonates	Powdered and liquid detergents for dishwashing, home laundry, rug shampoos, textile scouring, etc.
Nopco 1186 Series	Sulfonated diesters	The most rapid anionic wetting agents available.
Syntergent® Series	Nonionic and anionic–nonionic blends	Raw wool scouring, soaping off, fulling, piece goods scouring, etc.
Wetset® Series	Modified, blended alkyl aryl sulfonates	Textile wetting agents, scouring agents, general purpose liquid detergent bases.
Polynycel® Series	Aromatic amino condensates	Leveling agents and dye retardants for textiles, union dyeing of wool and nylon.
Agrimul® Series	Anionic-nonionic blends	Emulsifiers for insecticidal concentrates.
Nopcogen® Series	Fatty amides	General purpose emulsifiers, additives for rayon spin baths.
Lomar Series	Condensed naphthalene sulfonates	Dispersing agents used in papermaking, cement and concrete, gypsum wallboard, emulsion polymerization, dyeing etc.

HYDROSULFITES AND SULFOXYLATES

NAME	CHEMICAL CLASS	USE
Hydrosulfite of Soda Conc.	Sodium hydrosulfite	Pulp bleaching, emulsion polymerization, dye stripping, vat dye reduction, discharge printing, bleaching clay, sausage casings, etc.
Zinc Hydrosulfite	Zinc hydrosulfite	
Hydrosulfite AWC	Sodium formaldehyde sulfoxylate	
Hydrozin	Zinc formaldehyde sulfoxylate	
Hydrosulfite BZ	Basic zinc formaldehyde sulfoxylate	

NOPCO

DEFOAMERS

For: Pulp and paper defoaming, latex paints and adhesives, paper coatings, etc.

Nopco KF® Series .....Paste products for pulp and paper
Nopco LD Series .....Liquid products for pulp and paper
Nopco PD Series .....Pastes and liquids for paints and adhesives
Nopco DF Series .....Pastes and liquids for pulp, paper and paper coatings.

RESIN AND WAX EMULSIONS

NOPCO EB SERIES for Adhesives

Emulsions of natural and synthetic polymers. Used as tackifiers and extenders for latex-based adhesives. Highly compatible with both natural and synthetic latices. Promote films of excellent bond, flexibility and water resistance.

NOPCO WAX SIZES for Paper

Petroleum wax or wax-rosin emulsions. Used as both internal and external sizes in the manufacture of paper and board. Contribute improved gloss, scuff resistance, pliability, printability, and resistance to moisture, blood, grease, milk, acids, etc.

WATER-SOLUBLE LUBRICANTS

DURPON® SERIES for Metalworking

Paste and liquid lubricants for drawing ferrous and nonferrous wire, tubes and rods. The Durpon series insure excellent draws, extend die life, are nonstaining, and help prevent contamination of the draw bath.

NOPCO ESI® SERIES for Paper

Water-dispersible metallic soaps used as additives for paper coatings. The dispersions have a lubricating effect on starch- or casein-based coatings, improving the flow and leveling characteristics. There is also an improvement in moisture resistance, ink reception and opacity.

NOPCOLENE® SERIES for Leather

Combining cationic, nonionic and anionic surfactants with raw oils, the Nopcolene series assure the proper degree of penetration into the leather, plus the correct amount of surface lubrication required of a particular leather type. Used with both chrome and vegetable tans.

NOPCOLUBE® SERIES for Textiles

Wax emulsions specially developed for warp sizing synthetic yarns. Used in combination with gelatin and the synthetic sizing agents for proper lubrication of the size film.

NOPCONE® SERIES for Textiles

Antistatic coning oils for all types of yarns featuring excellent coning performance, static elimination, and easy removal after knitting or weaving. Particularly effective with the newer bulked yarns.

NOPCOROL® SERIES for Metalworking

Rolling oils for the production of steel, iron and nonferrous sheet. Compounded of high-grade mineral oils, plus emulsifying agents selected for their solubilizing, lubricating and nonstaining qualities.

NOPCOSTAT® SERIES for Textiles

Antistatic lubricants for processing natural and synthetic fibers. Provide optimum frictional characteristics and static elimination for the particular fiber type being processed.

WATER-SOLUBLE RESINS

MODICOL® SERIES for Paints and Adhesives

Water-soluble polymers, used to thicken latex paints, adhesives, dipping baths, and the like. Being entirely synthetic products, the Modicol series are not subject to the bacterial decomposition and hydrolytic changes which characterize natural gums, starches, etc. They provide an economical means of maintaining a constant viscosity in the product during use and storage.

NOPCOSIZE® SERIES for Textiles

Soluble salts of synthetic polymeric acids used as sizing agents for polyamide and polyester filament yarns. Impart abrasion resistance and pliability to the sized yarns.

NOPCOTAN® SERIES for Leather

Synthetic tanning agents of several chemical types developed for tanning or retanning and as tanning auxiliaries.

MONOTAN® SERIES for Leather

Complex resins recommended for retanning all types of chrome tannages.

SYNEKTAN® SERIES for Leather

Especially useful in producing white or pastel leathers. Used with either vegetable or chrome tannages.

TANASOL® SERIES for Leather

Auxiliary tanning agents useful with vegetable or chrome tans. Allow better and faster penetration of the tan. Also used as dyeing aids.

SOFTENERS

NOPCOTEX® SERIES for Textiles

Anionic, nonionic and cationic softeners for all natural and synthetic fibers, yarns and fabrics. Very resistant to yellowing. Also provide lubricity which assists sewing, cutting and trimming operations.

LUPOMIN® SERIES for Textiles

Cationic products producing a very soft hand on cellulosics. Also used on wool, acrylic, polyester and polyamide yarns and fabrics.

NOPCO

GAS FADING INHIBITORS

DILEINE® SERIES for Textiles

An amine condensate for the prevention of atmospheric gas fading on dyed acetate fibers.

MELEINE® SERIES for Textiles

Complex organic nitrogenous compounds used on finishes to protect acetate dyed fabrics from atmospheric gas fading.

ENZYMES

AMPROZYME® SERIES for Textiles

Amylolytic and proteolytic enzymes used for removal of starch and gelatin sizes on fabrics.

FUNGIZYME® SERIES for Leather

Enzymatic mixtures recommended for bating all types of hides.

PROTOZYME® SERIES for Textiles

Diastatic, proteolytic and pectolytic enzymes on a cereal base as a carrier. Very efficient in the removal of gelatin sizes.

DIASTAZYME® SERIES for Textiles

Amylolytic enzymes used for desizing starch sized fabrics.

NATURAL GUMS

Employed as thickeners and stabilizers in textile printing pastes, lithographic inks, emulsion paints and adhesives, textile sizing, cosmetics, etc.

Gum Arabic
Gum Karaya
Gum Tragacanth
Supergum H
Locust Bean Gum
Irish Moss
Superclear®

METALLIC SOAPS

Aluminum
Barium
Cadmium
Calcium
Lithium
Magnesium
Zinc
Lead
Stearates
Laurates
Palmitates
Cocoates
Ricinoleates

STABILIZERS

Heat and light stabilizers for polyvinyl chloride.

INORGANIC COMPOUNDS

Chromium acetate powder	Dye mordant
Sodium hydrosulfite	Reducing agent, bleach
Zinc hydrosulfite	Reducing agent, bleach
Basic zinc hydrosulfite	Reducing agent, stripping agent
Zinc formaldehyde sulfoxylate	Reducing agent, stripping agent
Sodium formaldehyde sulfoxylate	Reducing agent, stripping agent

PVA EMULSIONS*

GRIFFCO® SERIES for Paints and Adhesives

Polyvinyl acetate emulsions made in a variety of particle sizes for paint and adhesive compounding.

PLASTICIZERS

Diisooctyl adipate
Diisodecyl adipate
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Diisodecyl phthalate
Diisooctyl phthalate
Dioctyl phthalate
Dibutyl sebacate
Diisooctyl sebacate
Dioctyl sebacate
Dioctyl diglycolate

*Available from our Richmond, Calif., plant only.

FINE CHEMICALS

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Amino acids
Fungal and bacterial enzymes
Antihistaminics
Antifungal agents
Hematinics

URETHANE CELLULAR PLASTICS

For: Furniture, automobiles, building panels, industrial and commercial refrigeration, precision instrument packaging, aircraft and missiles, thermal and acoustic insulation.

FLEXIBLE FOAMS

Polyether and polyester foam in slabs, sheets, cushions and fabricated shapes.

POUR-IN-PLACE SYSTEMS

Rigid and semirigid foams, hi-density quasi prepolymer, medium and low density quasi prepolymer "Freon,"† semirigid prepolymer.

†A Du Pont trademark

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See Company Directory Section for Telephone Number and Address of Your Nearest McKesson Chemical Branch

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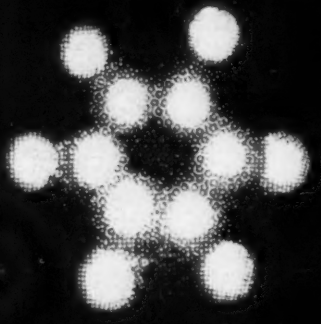
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BOSTON, MASSACHUSETTS, Everett Station (49)
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Divisions: Inorganic—Organic

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520 N. Michigan Ave. (11), Tel. Whitehall 4-6750
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EL DORADO, ARKANSAS, Lion Oil Building
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Division: Lion Oil

EL DORADO, ARKANSAS, El Dorado Plant
Smackover Highway, P. O. Box 231, Tel. Union 3-3151
Division: Agricultural

EVANSVILLE, INDIANA, Lion Red Bird Station
1820 West Franklin, Tel. Harrison 5-8391
Division: Lion Oil

HOUSTON, TEXAS, Texas Gas Building
2472 Bolsover St. (5), P. O. Box 6863
Tel. Jackson 6-2551
Divisions: Inorganic—Organic

JACKSON, MISSISSIPPI, 950 Milner Building
210 South Lamar St., Tel. Fleetwood 2-3648
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LITTLE ROCK, ARKANSAS, 914 West 6th Street
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Division: Lion Oil

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MEMPHIS, TENNESSEE, 1023 Riverside Drive
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Division: Organic

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SANTA CLARA, CALIFORNIA, 2710 Lafayette
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Divisions: Agricultural—Plastics

SEATTLE, WASHINGTON, 911 Western Ave. (4)
Tel. Main 2-4203
Divisions: Organic—Plastics

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ONYX *for the particular surfactant that fits your needs. Available in large commercial quantities or for experimental purposes, Onyx surface-active agents fulfill a wide variety of uses, too numerous to list in detail. Below is a partial listing of the wide range of products developed by the Onyx Chemical Corporation over fifty years of research and production in the field of organic chemicals. For complete data on these and other Onyx products, write for our latest catalog SA. A member of our laboratory staff will be pleased to consult with you about a specific problem . . . at no obligation of course.*

PRODUCT			DESCRIPTION	PERCENT ACTIVE	PHYSICAL STATE	APPLICATION
QUATERNARIES	*	Ammonyx 4 Ammonyx 4002	Stearyl dimethylbenzyl ammonium chloride	25 100	Paste Powder	Cosmetic anti-static and conditioning agents
		Ammonyx CO	Cetyl dimethyl amine oxide	20	Liquid	Wetting, emulsifying. Acid & alkali stable
	*	BTC 2125	Alkyl dimethyl ethylbenzyl ammonium chlorides Alkyl dimethyl benzyl ammonium chlorides	50	Liquid	Disinfectant, deodorant, germicide, fungicide—High hard water tolerance levels — 750 ppm
	*	Isothan Q-75	Lauryl isoquinolinium bromide	75	Liquid	Fungicide—dandruff control
	*	Onyxide Series	Alkenyl dimethyl ethyl ammonium bromide	75	Paste	Algicide
		Ammonyx 781	Alkyl methylisoquinolinium chloride	50	Liquid	Biocidal agent industrial water treatment
		BTC 1100	Alkyl dimethyl naphthal ammonium chloride	100	Powder	Broad spectrum biocidal agent—hard water tolerance level 1100 ppm
NON-IONICS	*	Neutronyx 600 Series	Alkylphenol polyglycol ether containing from 4 to 30 moles ethylene oxide	100	Liquid	Detergent, wetting, emulsifying, dispersing
	*	Onyx-ol 336 & Onyx-ol 345	Lauric acid diethanolamine condensate	97	Liquid	Foam stabilizer, detergent, wetting, dispersing and thickener
		Onyx-ol 368	Lauric acid isopropanolamine condensate	97	Powder	Foam stabilizer
	*	Super Amide Series	High activity diethanolamine condensates	75-90 (as amide)	Liquid to solid	Foam stabilizers, emulsifiers and thickeners
SULFONATED OILS			Castor, soya, sperm, tallow	Various	Liquid	Detergent, dispersing
LAURYL SULFATES	*	Maprofix ES	Sodium lauryl ether sulfate	28	Liquid	Detergent, wetting, foaming and dispersing agents for industrial, cosmetic and pharmaceutical applications, pigment and latex dispersions
		Maprofix LK	Sodium lauryl sulfate	90	Powder	
		Maprofix WA Series	Sodium lauryl sulfate	30	Liquid to paste	
		Maprofix 563	Sodium lauryl sulfate	99	Powder	
		Maprofix NH	Ammonium lauryl sulfate	30	Liquid	
		Maprofix TLS Series	Triethanolamine lauryl sulfate	40-75	Liquid to paste	
ANTI-STATIC AGENTS	*	Aston 108 & Aston 123	Thermosetting polyamine	20	Liquid	Durable anti-static agents
		Aston AP	Cationic polyamine	50-100	Liquid	Anti-static agents, water and solvent soluble

*Registered Trade Names

50 YEARS OF SERVICE

ONYX® CHEMICALS

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ALCOHOLS
Methanol
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Amyl Alcohol
Butyl Alcohol
Secondary Butyl Alcohol
Cyclohexanol
Isopropyl Alcohol
Normal Propanol
Methyl Amyl Alcohol
(Methyl Isobutyl Carbinol)
Isobutanol

ACIDS
Gluconic
Acetic
Phosphoric
Muriatic

ALKALIES
Caustic Soda
Caustic Potash
Detergents
Wetting Agents

AMMONIA
Anhydrous Aqua

AMINES
Diethanolamine
Monoethanolamine
Morpholine
Triethanolamine

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Toluol
Xylol
Solvent 100
Solvent 150
Intermediate Naphthas

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Trichlorethylene
Methylene Chloride
Chlorothene®
Chloroform
Carbon Tetrachloride
Ethylene Dichloride
Orthodichlorbenzene
Monochlorbenzene
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ESTERS
Amyl Acetate
Butyl Acetate
Secondary Butyl Acetate
Methyl Amyl Acetate
Ethyl Acetate
Isopropyl Acetate
Isobutyl Acetate

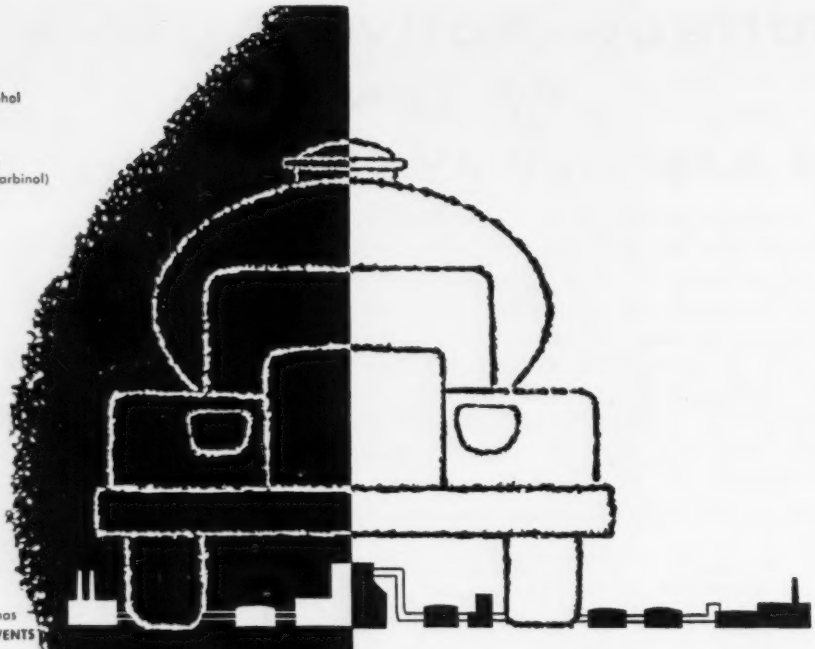
GLYCOLS & DERIVATIVES
Ethylene Glycol
Ethylene Glycol Antifreeze
Diethylene Glycol
Hexylene Glycol
Triethylene Glycol
Ethylene Glycol-Methyl Ether
Ethylene Glycol-Butyl Ether
Ethylene Glycol-Ethyl Ether

KETONES
Acetone
Cyclohexanone
Diacetone Alcohol
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Diisobutyl Ketone
Methyl Acetone

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Dibutyl Phthalate
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(Propadrine Hydrochloride)

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Fine or coarse powder; micronized; 20-mesh granular

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POTASSIUM SALICYLATE

METHYL SALICYLATE USP
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Zinc Bacitracin
Bacitracin Methylene Disalicylate
Bacitracin Derivatives
Neomycin Sulfate
Neomycin Palmitate
Neomycin Undecylenate
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Tyrothricin
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Tyrocidine Hydrochloride

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Columbia-Southern Chemicals

PRODUCTS	DESCRIPTIVE DATA PACKAGING AND SHIPPING
AMMONIA (Anhydrous)	26 ton single unit tank cars.
BARIUM COMPOUNDS	
Barium Carbonate	Available in 50 and 100 lb. paper bags, and in bulk, depending upon grade required.
Barium Chloride	Anhydrous: 100 lb. paper bags, 450 lb. fiber drums; crystals: 100 lb. paper bags.
Barium Oxide	Pellets and ground: 400 lb. drums.
BENZENE HEXACHLORIDE	Technical and concentrate. Technical: 75 lb. bags and bulk. Concentrate: 100 lb. fiber drums.
CALCIUM CHLORIDE	High Test Flake (94-97%): 80 lb. moisture-proof paper bags. Also bulk hopper cars.
	Regular Flake (77-80%): 100 lb. and 25 lb. moisture-proof paper bags. Also bulk hopper cars.
	Liquid (40% and 55% Solution): 8,000 and 10,000 gallon tank cars.
CAUSTIC POTASH	
Solid	Standard grade. 650 lb. drums.
Flake	Standard grade. 400 lb. drums.
Liquid	45% Concentration. 8,000 and 10,000 gallon tank cars.
CAUSTIC SODA	
Solid	Standard and Water White grades. 100 and 700 lb. drums.
Flake	Very Fine, Fine, Medium, Coarse. In 100 and 400 lb. drums.
Liquid	50% and 73% Concentrations. Tank trucks; 8,000 and 10,000 gallon tank cars. Also tank barges (50% only).
CHLORINE	16, 30 and 55 ton single unit cars; 15 ton multi-unit cars; 600 ton barges.

PRODUCTS	DESCRIPTIVE DATA PACKAGING AND SHIPPING
CHLORINATED BENZENES	
Monochlorobenzene	55 gallon drums (500 lbs. net); 8,000 and 10,000 gallon tank cars.
Orthodichlorobenzene	55 gallon drums (600 lbs. net); 8,000 and 10,000 gallon tank cars.
Paradichlorobenzene	Five standard mesh sizes. 200 lb. Leverpak fiber containers.
CHLORO-IPC (Herbicide)	
Emulsifiable Concentrate	5 gallon and 30 gallon drums; 1 gallon cans (6 per case).
Granular (5% and 20%)	50 lb. paper bags.
IPC (Herbicide)	
Technical	100 lb. fiber drums.
75% Wettable Powder	50 lb. fiber drums.
CHROME CHEMICALS	
Sodium Bichromate	Granular. 400 lb. fiber drums and 100 lb. paper bags.
	Liquid (69% and 70% solution): tank trucks, 8,000 gallon tank cars.
Sodium Chromate	Granular. 200 lb. fiber drums and 100 lb. paper bags.
Potassium Bichromate	Granular. 400 lb. fiber drums and 100 lb. paper bags.
ETHYLENE DICHLORIDE	55 gallon drums (565 lb. net), 8,000 gallon tank cars, and barges.
***HENNIG PURIFIER**	Steel desulphurizer—walnut size pellets. 100 lb. paper bags.
HYDROGEN PEROXIDE	35% and 50% solutions. 30 gallon drums (265 lbs. net). Also tank trucks, 4,000, 6,000 and 8,000 gallon tank cars.

from PPG Chemical Division

PRODUCTS	DESCRIPTIVE DATA PACKAGING AND SHIPPING
MURIATIC ACID	Hydrochloric acid—20°-22° Baume. Tank trucks, 8,000 and 10,000 gallon rubber-lined tank cars.
PHOSFLAKE	Special bottle washing compound. 450 lb. drums.
***PITTCHLOR** (High-test Calcium Hypochlorite)	Bleach, disinfectant and deodorant, containing a minimum of 70% available chlorine. Packaged in 3¾ and 5 lb. cans, and in 100 lb. drums.
***PITTABS**	Pittchlor* in tablet form. Calcium Hypochlorite containing a minimum of 70% available chlorine. 3¾ lb. cans; 100 lb. drums.
REINFORCING PIGMENTS	
*Hi-Sil	Hydrated silica — extremely fine particle size (averaging .025 micron). 50 lb. paper bags.
*Silene	Hydrated calcium silicate—very fine particle size. 50 lb. paper bags.
*Calcene	Rubber pigment—precipitated calcium carbonate—fine particle size. 50 lb. paper bags.
SODA ASH	Light, Medium and Dense. Bulk hopper and boxcars and 100 lb. paper bags.
***SODA BRIQUETTES**	Iron desulphurizer—walnut size pellets. 100 lb. paper bags.
SODIUM BICARBONATE	U.S.P. (Powdered and Granular) and Flour Blend (special blend for self-rising flours). 100 lb. paper bags.
SODIUM SULFATE (Anhydrous)	Powdered 400 lb. fiber drums and 100 lb. paper bags.

PRODUCTS	DESCRIPTIVE DATA PACKAGING AND SHIPPING
SOLVENTS	
Carbon Tetrachloride	Solvent available in 55 gallon drums (700 lbs. net). Also tank trucks, 4,000, 8,000 and 10,000 gallon tank cars.
Perchlor (Perchlorethylene)	Dry cleaning and degreasing and general solvent grades. 55 gallon drums (700 lbs. net). Also tank trucks, 4,000, 8,000 and 10,000 gallon tank cars.
Trichlor (Trichlorethylene)	Degreasing and general solvent grades. 55 gallon drums (660 lbs. net). Also tank trucks, 4,000, 8,000 and 10,000 gallon tank cars.
*Tri-ethane (I, I, I Trichloroethane stabilized)	For cold degreasing. 55 gallon drums (575 lbs. net).
SULFIDE COMPOUNDS	
Sodium Sulfide	Solid: 600 lb. drums; flake: 400 lb. drums; liquid: tank cars.
Sodium Sulfhydrate	Liquid: tank cars; solid: 600 lb. drums; flake: 350 lb. drums.
Carbon Bisulfide	Tank cars and 55 gallon drums (550 lb. net).
Ammonium Sulfide	Liquid: tank cars and 55 gallon drums (450 lb. net).
Hydrogen Sulfide	60 and 80 lb. cylinders.
Sodium Tetrasulfide	Liquid: 55 gallon drums (600 lb. net).
TITANIUM TETRA-CHLORIDE	Chemical intermediate and catalyst. 10 gallon (125 lbs. net) and 55 gallon (750 lbs. net) drums. Also available in tank trucks and 3,000 and 10,000 gallon tank cars.

*Trademarks Registered U.S. Patent Office.

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Product Data Sheets, samples and prices will be sent on request. Call the nearest Reynolds Sales Office, listed under "Aluminum" in classified telephone directories, or write Reynolds Metals Company, P. O. Box 2346-CN, Richmond 18, Virginia.

PRODUCT	GRADES	APPLICATIONS	SHIPPING
Calcined Aluminas Al_2O_3	R-2003. High alpha alumina content. Maximum total water 0.4%. R-2005. Low soda. R-2010. Low soda.	Abrasives, refractories, ceramics. Electrical and thermal insulators.	From Bauxite, Ark., in bulk or in 100 lb bags.
Hydrated Aluminas $Al_2O_3 \cdot 3H_2O$	R-5002. White reactive product with 0.003% maximum Fe_2O_3 content. R-5003. White reactive grade with minimum insoluble content. R-5005. Very reactive grade having particle size of approximately one micron.	Aluminum compounds, heat resistant glass, ceramic bodies, catalysts, mold coatings, and pigments.	From Bauxite, Ark., in bulk or in 100 lb 5-ply paper bags.
Activated Aluminas $Al_2O_3 \cdot xH_2O$	R-2101. A non-deliquescent regenerative desiccant effective in removing water and fluorine from many liquids and gases. R-2102. Similar to R-2101 with slightly lower adsorptive capacity.	Dehumidification, defluoridation, catalytic cracking of petroleum.	From Bauxite, Ark., in 100 lb foil-lined paper or burlap bags or in 400 lb steel or fiber drums.
Fluorides: Cryolite, $3NaF \cdot AlF_3$ Aluminum Fluoride, AlF_3 Fluorspar	Reduction or fluxing grades. Acid Grade	Fluxing in nonferrous metallurgy and ceramics. Fluxing or Fluoride chemicals.	From Bauxite, Ark., in 600 lb steel drums or bulk. From Eagle Pass, Texas.
Bauxite	British Guiana Jamaica Haiti	Alum, cement Cement. Cement.	Boatloads F.O.B. Everton, British Guiana. Boatloads F.O.B. Ocho Rios, Jamaica. Boatloads F.O.B. Miragoane, Haiti.
Aluminum Powders Al	Aluminum deoxidizing shot. Granular aluminum powder: H PS-10 200-X 300-X Atomized aluminum powders: #1240R #12120 #40 #120 #1-511 #400 High purity 99.99% aluminum.	Reduction in ferrous metallurgy and anhydrous aluminum chloride. For production of metallic calcium, sodium, etc. Also for furnace hot-top compounds; as pigments in plastics; thermite reactions; pyrotechnics; flares & explosives; as reducing agent in production of alum and titanium dioxide pigments. Catalysts.	Deoxidizing shot from Bellwood plant, Richmond, Va. in 100 lb burlap bags. Granular powder from Louisville, Ky. in steel drums. From Louisville, Ky. Offered in steel drums in various sizes upon request. Sheffield, Ala.



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Diacetone Alcohol
Ethyl Alcohol
Ethyl Amyl Ketone
Hexylene Glycol
Isopropyl Alcohol
Isopropyl Ether
Mesityl Oxide
Methyl Amyl Acetate
Methyl Ethyl Ketone
Methyl Isobutyl Carbinol
Methyl Isobutyl Ketone
Pent-Oxone* high boiling solvent
Pent-Oxol* high boiling solvent
Secondary Butyl Alcohol
Tertiary Butyl Alcohol

*Trademark

Peroxides

Di-Tertiary-butyl Peroxide
Hydrogen Peroxide

Inhibitors

Ionol® Antioxidant
Ionol® CP Antioxidant
Binox® -M Antioxidant

Catalysts

Shell 105® and Shell 205® catalysts

Intermediates

Acrolein
Acrolein Derivatives
- acrolein acetals
- acrolein dimer
- 2-ethoxy-3, 4-dihydro-2H-pyran
- glyceraldehyde
- glycidaldehyde
- 1, 2, 6 hexanetriol
- α-hydroxyadipaldehyde
- tetrahydrobenzaldehyde

Allylamines
Allyl Alcohol
Allyl Chloride
Bisphenol A
Epichlorohydrin
Ethyl Chloride
Glycerine
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p-Tert-butyl Benzoic Acid
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Shell Chemical Company

SHELL

Industrial Chemicals Division

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TYPICAL PROPERTIES AND CHARACTERISTICS

PRODUCT	GRAVITY °API @ 60°F (15.56°C)	SPECIFIC GRAVITY @ 60°F (15.56°C)	WEIGHT/GALLONS		DISTILLATION IBP		DISTILLATION DRY POINT		KAURI BUTANOL VALUE	MIXED ANILINE POINT 1:1°C RATIO	FLASH POINT TCC		APPLICATIONS
AROMATIC			POUNDS	KILOS	°F	°C	°F	°C			°F	°C	
ESPESOL 1	30.4	0.874	7.28	3.30	319	159	348	176	92	16.5	114	46	surface coatings, insecticides, inks
ESPESOL 2	28.1	0.887	7.38	3.35	362	183	410	210	89	17.5	145	63	synthetic enamels, can coatings
ESPESOL 3-B	26.9	0.893	7.44	3.37	356	180	500	260	90	17.8	140	60	insecticides, de-emulsifiers
ESPESOL 5	32.2	0.864	7.20	3.25	286	141	330	166	91	16.2	84	29	lacquer, insecticides, wood industry
ESPESOL 1° (NITRATION GRADE) BENZENE	28.9	0.882	7.35	3.33	—	79.5	—	80.2	—	—	—	—	manufacture of chemicals
ESPESOL 1° TOLUENE	31.1	0.870	7.25	3.29	—	110.2	—	111	105	—	40	4.4	lacquer, adhesives, paint
ESPESOL 5° XYLENE	31.5	0.868	7.23	3.28	—	137.8	—	141.1	98	—	80	27	enamels
INTERMEDIATE													
ESPESOL 1300	36.5	0.842	7.01	3.16	316	157	372	189	71	—	108	42	enamels, resins
ESPESOL 2350	33.2	0.859	7.15	3.21	357	181	403	206	67	34	138	59	roll coatings
ESPESOL 5300	42.1	0.815	6.79	3.06	292	144	383	195	—	47	91	33	paint & thinner

ALIPHATIC	GRAVITY °API @ 60°F (15.56°C)	SPECIFIC GRAVITY @ 60°F (15.56°C)	WEIGHT/GALLONS		DISTILLATION IBP		DISTILLATION DRY POINT		KAURI BUTANOL VALUE	ANILINE POINT		FLASH POINT TCC		APPLICATIONS
			POUNDS	KILOS	°F	°C	°F	°C		°F	°C	°F	°C	
ESPESOL HEXANE	76.0	0.682	5.68	2.55	152	66.7	156	68.9	30.0	143	62	—	—	oil extraction
ESPESOL HEPTANE (6°F)	70.5	0.701	5.83	2.63	201	93.9	207	97.2	30.0	144	62	—	—	de-greasing, extraction
ESPESOL HEPTANE (10°F)	69.5	0.704	5.86	2.64	198	92.2	205	96.1	31.0	147	64	—	—	de-greasing, extraction
ESPESOL 100	72.0	0.695	5.79	2.61	156	68.9	202	94.4	31.0	142	61	—	—	wax, rubber, adhesives
ESPESOL 200	61.0	0.735	6.12	2.76	206	96.7	271	132.8	36.0	130	54	32	0	VM & P naphtha, paint
ESPESOL 200-A (ABSORPTION OIL)	66.5	0.714	5.95	2.69	218	103.3	280	137.8	30.0	—	—	30	—1	chemical industry
ESPESOL 204	59.0	0.742	6.18	2.78	204	95.6	223	106.1	44.0	101	38	30	—1	lacquer, printing
ESPESOL 205	62.0	0.731	6.09	2.75	210	98.9	238	114.4	36.0	29	54	—	—	lacquer, ink
ESPESOL 215	51.0	0.775	6.45	2.91	210	98.9	235	112.8	55.0	70	21	34	1.1	lacquer, printing
ESPESOL 250	57.5	0.748	6.23	2.81	248	120.0	275	135.0	37.0	25	52	52	11	VM & P naphtha, paint
ESPESOL 300	48.5	0.786	6.55	2.95	318	158.9	378	192.2	38.0	128	53	106	42	cleaners, waxes, thinners, dry cleaning
ESPESOL 300-B	46.5	0.795	6.62	3.00	311	155.0	385	196.1	43.0	115	46	108	42	paint, lacquer
ESPESOL DriRex (310-A)	58.5	0.745	6.20	2.80	306	152.2	335	168.3	30.0	162	72	101	38	paint, dry cleaning
ESPESOL 310	54.0	0.763	6.35	2.86	313	156.1	355	179.4	33.0	150	66	106	41	paint, dry cleaning
ESPESOL 3031	55.2	0.758	6.31	2.85	313	156.1	370	187.8	32.0	154	68	106	41	paint, dry cleaning
ESPESOL 320	47.0	0.793	6.60	2.97	325	162.8	384	195.6	38.5	129	54	114	46	waxes, cleaners
ESPESOL 325 (CALIBRATION FLUID)	53.0	0.767	6.39	2.88	318	158.9	380	193.3	32.0	151	66	110	43	instrument calibration
ESPESOL 350	49.7	0.780	6.50	2.93	362	183.3	402	205.6	32.5	147	64	142	61	paint, dry cleaning
ESPESOL 380 (ESPESENE)	49.5	0.782	6.51	2.93	385	196.1	480	248.9	28.0	170	76	165	74	household insecticides

All solvents crystal clear in color (Saybolt Color 30) except Espesol 3-B—light straw.

CONTACT THE OFFICE OR TERMINAL NEAREST YOU FOR ADDITIONAL TECHNICAL DATA AND INFORMATION.

SIGNAL OIL AND GAS COMPANY

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East Liverpool, Ohio
Savannah, Georgia
Richmond, California

European Terminals:

Dordrecht (Rotterdam) Netherlands • Livorno (Leghorn), Italy

Post Office Box 5008—Houston 12, Texas—Phone WAlnut 3-1651
New York Office: 10 Rockefeller Plaza, New York, Phone Circle 7-2520
Chicago Office: 1515 N. Harlem, Oak Park, Illinois, Phone VI llage 8-5410
Cleveland Office: 20800 Center Ridge Rd., Cleveland, Ohio, Phone EDison 3-0188
Louisville Office: 4th and Broadway St., Louisville, Ky., Phone JUniper 3-7634
Atlanta Office: 3121 Maple Drive, N.E., Phone 233-3227
Long Beach Office: 2828 Junipero Ave., Long Beach, Phone NEvada 6-3301
Oakland Office: 1368 Park Ave., Emeryville, Calif., Phone OLympic 3-8052

We Can Custom-Manufacture Any Specification Not Listed!

Made by the originators of Custom Blended Sunoco gasolines

THESE SUNOCO PETROCHEMICALS OFFER YOU CONSISTENTLY HIGHER END-PRODUCT QUALITY

BENZENE

Thiophene-free. Nitration grade with minimum mol % purity of 99.4 and guaranteed minimum freezing point of 5.2 C.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.882—0.886
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm, deg C	1.0 inc 80.1
Acid wash color, max	2
Acidity	none
Solidifying pt, anhydrous basis	5.20 C min
Approx weight, lb/gal	7.36

TOLUENE

Minimum mol % purity of 99.5 with aromatic content of at least 99.6. Better than nitration grade. Free of gum-forming compounds and typically free of olefins and sulfur.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.869—0.873
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm, deg C	1.0 inc 110.6
Acid wash color, max	2
Acidity	none
Approx weight, lb/gal	7.26

XYLENE

Five-degree material with unusually low acid-wash color.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.860—0.870
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm, deg C	Not more than 5.0 inc 139.3
Acid wash color, max	2
Acidity	none
Approx weight, lb/gal	7.21

ANHYDROUS AMMONIA

Commercial (99.5% NH_3 by wt) and refrigeration (99.97% NH_3 by wt) grades shipped from Marcus Hook, Pa., plant in 10,000 gal. tank cars (approx 26 tons) and 6,000 gal. tank trucks.

SPECIFICATIONS

	Commercial	Refrigeration
Water, max % by wt	0.5	0.03
Nonvolatile residue, water free basis, max % by wt	—	0.005
Noncondensable gases, max ml/100 g NH_3	—	20
Oil content, max ppm	25	5

SODIUM SULFONATE LC (Oil-Soluble)

The sodium salt of the oil-soluble fractions of sulfonic acids produced by the sulfonation of carefully selected petroleum distillate fractions. Viscous material miscible with petroleum oils and colloidally dispersible in water.

TYPICAL COMPOSITION

Sulfonate, % by wt	62
Mineral oil, % by wt	34
Water, max % by wt	5
Average molecular weight (RSO_3Na)	440
Color, ASTM Dilute, max	3.5
Viscosity, SUS at 210 F	1200 approx
Specific gravity, 60/60 F	1.03
Approx weight, lb/gal	8.6

USES—Emulsifying, dispersing and wetting agents; rust- and corrosion-inhibitors, demulsifying agents, dry-cleaning compounds, fat splitting agents, flotation agents, fuel-oil additives, grease and lube-oil additives, metal working oils, textile oils, pigment-dispersing agents, asphalt additive.

NAPHTHENIC (Sunaptic®) ACIDS

Mono-carboxylic acids with no olefinic unsaturation; low pour points; contain relatively low amounts of unsaponifiable matter. Available in three grades.

TYPICAL COMPOSITION

	A	B	C
Acid number, mg KOH/g	170—180	150—160	120—130
Unsaponifiable matter, % by wt	7 max	7 max	11 max
Viscosity, SUS at 210 F	100—120	150—200	350—650
Pour point, deg F	+30	+45	+75
Sulfur content, % by wt	0.4 max	0.4 max	0.4 max
Average molecular weight	310	340	415

USES—Corrosion- and rust-inhibitors; cleaning, defoaming, foaming, dispersing, emulsifying, and wetting agents. Metallic naphthenates for paint dryers, and fungicides for preserving wood and fabrics.

PROPYLENE TRIMER (Nonene)

Composed almost entirely of mono-olefins . . . with about 16% of double bond in terminal position. Typically 95% pure with less than 1% C_8 and lighter boiling hydrocarbons. Low sulfur content, narrow boiling range.

PROPYLENE TETRAMER (Dodecene)

12 carbon branched chain mono-olefins with narrow boiling range and low sulfur content.

SPECIFICATIONS

	Trimer	Tetramer
Specific gravity at 60 F	0.7351—0.7507 (57.0 to 61.0 API)	0.7796 max (50 API)
Distillation, Initial	265 F min	—
5%	—	355 F min
95%	275—305 F	385 F max
Sulfur, % by wt	0.02 max	0.05 max
Color, Saybolt	21 min	21 min

USES (Trimer)—Detergents, motor fuel additives, synthesis of intermediates such as nonyl phenol. High purity olefin for oxo derivatives such as decyl alcohol.

USES (Tetramer)—Alkyl aryl sulfonate detergents. Long-chain olefin for synthesis of oxo derivatives.

SUNOCO

Industrial Products Department

SUN OIL COMPANY

1608 Walnut St., Philadelphia 3, Pa.

IN CANADA: SUN OIL COMPANY LIMITED, Toronto and Montreal. IN BRITAIN: BRITISH SUN OIL COMPANY LIMITED, London W. C. 2, England. THE NETHERLANDS: NETHERLANDS SUN OIL COMPANY, Rotterdam C, The Netherlands. WESTERN EUROPE (except the Netherlands), NEAR EAST, NORTH AFRICA: SUN OIL COMPANY (Belgium) S. A., Antwerp, Belgium.

INDEX of the Products of Stauffer Chemical Company

DIVISIONS AND PRODUCTS

Division numbers given below correlate with numbering of products listed in the index. For information on Stauffer products please inquire of the numbered division to which the index refers.

1. AGRICULTURAL CHEMICALS DIVISION, 380 Madison Avenue, New York 17, New York, Tel: OXford 7-0600

Defoliants • Fertilizers • Fungicides (including Captan) Grain Fumigants • Herbicides (including Eptam® and Tillam®) • Insecticides and Miticides (including Trithion® and Methyl Trithion™) • Seed Disinfectants • Soil Fumigants (including Vapam®) • Sulfurs, Ground and Refined

2. ANDERSON CHEMICAL DIVISION, Weston, Michigan, Tel: Sand Creek-GEneva 6-2322

Metal-Organics • Metal Esters • Research Chemicals Metal Chlorides • Aluminum Acetylsalicylate

3. CONSOLIDATED CHEMICAL INDUSTRIES DIVISION, 6910 Fannin Street, Houston 25, Texas, Tel: JAckson 6-2711

Sulfuric Acid • Alums • Bone Charcoal • Bone Meal Muriatic Acid • Nitric Acid • Hydrogen Chloride Ferric Sulfate • Liquid Sulfur Dioxide

4. INDUSTRIAL CHEMICALS DIVISION, 380 Madison Avenue, New York 17, New York, Tel: OXford 7-0600

Acids: Boric, Hydrochloric (Muriatic) Anhydrous and Aqueous, Fluoboric, Nitric, Sulfuric and Tartaric • Aluminum Sulfate • Alums • Bone Charcoal • Bone Meal Borax • Boron Oxide • Carbon Disulfide • Caustic Gluconate • Caustic Soda • Carbon Tetrachloride Chlorides of Aluminum, Antimony, Boron, Silicon, Titanium and Zirconium • Chlorine • Chloroform • Cream of Tartar • Ferric Sulfate • Greases • Hydrogen Glues, Animal and Synthetic • Hydrogen Chloride Methylene Chloride • Oleum • Perchlorethylene • Potassium Nitrate • Rochelle Salt • Sodium Bifluoride Sodium Carbonate • Sodium Fluoborate • Sodium Fluoride • Sodium Hydrosulfide • Sodium Sulfate Sulfur Chlorides • Sulfurs: Refined, Flowers, Roll, Rubber-makers and insoluble • Trichlorethylene

5. A. R. MAAS CHEMICAL DIVISION, 4570 Ardine Street, South Gate, California, Tel: LUdlow 8-2214

Phosphoric Acid • Phosphates • Photographic Chemicals • Questex®

6. METALS DIVISION, 1201 South 47th Street, Richmond 4, California, Tel: LAndscape 4-7227

Electron Beam Furnaces • High-purity refractory Metals and Alloys

7. MOLDED PRODUCTS DIVISION, 3211-15 East 26th Street, Los Angeles 23, California, Tel: ANgelus 2-1141

Battery Boxes and Fittings • Plastic Foam • Plastic Pipe • Miscellaneous Molded Rubber and Plastic Products • Custom Injection Molded and Extruded Products • Plastic Electrical Conduit and Fittings

8. NYOTEX CHEMICALS DIVISION, 1632 Haden Road, Houston 15, Texas, Tel: GLendale 3-7175

Hydrofluoric Acid, Anhydrous and Aqueous • Aluminum Chloride • Aluminum Fluoride

9. STAUFFER-HEWITT, INC., P. O. Box A, Franklin, New Jersey, Tel: VAn Dyke 7-7161

Polyurethane Foam Products

10. VICTOR CHEMICAL WORKS DIVISION, 155 North Wacker Drive, Chicago 6, Illinois, Tel: DEarborn 2-4010

Phosphoric Acid • Phosphates of Ammonia, Calcium, Iron, Potassium and Sodium • Organophosphorus Compounds • Chlorinated Trisodium Phosphate • Phosphoric Anhydride • Phosphorus Chlorides • Phosphorus Pentasulfide • Formic Acid and Formates Oxalic Acid and Oxalates • Phosphatic Fertilizer Solution • Sodium Aluminum Phosphate • Sodium Hypophosphite • Methyl Parathion

11. WEST END CHEMICAL COMPANY DIVISION, 636 California Street, San Francisco 8, California, Tel: YUkon 2-4022

Borax • Lime Products • Soda Ash • Sodium Sulfate

12. INTERNATIONAL DIVISION, 380 Madison Avenue, New York 17, New York, Tel: OXford 7-0600

Export Sales • Licensing • Foreign Operations

13. MARKET DEVELOPMENT DEPARTMENT, 380 Madison Avenue, New York 17, New York, Tel: OXford 7-0600

Chlorothiolformates • Columbium (Niobium) and Tantalum Pentachlorides • Organosulfur Compounds • Other Development Chemicals

Stauffer CHEMICALS

STAUFFER

A

Acaricides . . . 1
Acetic Acid, glacial . . . 5
Acid inhibitor . . . 3
Acids
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- Benzenephosphonic . . . 10
- Boric . . . 4
- Borophosphoric . . . 10
- Carbamide phosphoric . . . 10
- Chloromethylphosphonic . . . 10
- Ethylenediamine tetra-acetic . . . 5
- Fluoboric . . . 4
- Formic . . . 10
- Hydrochloric . . . 3, 4
- Hydrofluoric (anhydrous and aqueous) . . . 4, 8
- Muriatic . . . 3, 4
- Nitric . . . 3, 4
- Oxalic . . . 10
- Phosphoric . . . 5, 10
- Polyphosphoric . . . 5, 10
- Sulfuric, regenerated . . . 3
- Sulfuric, virgin . . . 3, 4
- Tartaric . . . 4
- Thioacetic . . . 13

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- Fertilizers . . . 1
- Fumigants . . . 1
- Fungicides . . . 1
- Herbicides . . . 1
- Insecticides . . . 1
- Miticides . . . 1
- Seed-treating . . . 1
- Soil fumigants . . . 1
- Sulfurs . . . 1

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Alkyl chlorophosphates . . . 10
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Alum, liquor . . . 3, 4
Alum, potash . . . 3, 4
Aluminum acetylsalicylate . . . 2
Aluminum alkyls (See chemicals by name) . . . 2
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Aluminum chloride . . . 4, 8
Aluminum chloride solution . . . 4
Aluminum fluoride . . . 4, 8
Aluminum formate . . . 10
Aluminum isoprenyl . . . 2
Aluminum isopropoxide . . . 2
Aluminum isopropylate . . . 2
Aluminum metaphosphate . . . 10
Aluminum orthophosphate . . . 10
Aluminum polyphosphate . . . 10
Aluminum sulfate . . . 3, 4
Aluminum sulfate solution . . . 3, 4
Ammonium phosphates (See chemicals by name) . . . 10
Antimony isopropoxide . . . 2
Antimony isopropylate . . . 2
Antimony trichloride, anhydrous . . . 4
Antistatic agents . . . 10
Aryl chlorothiolformates . . . 13
Aryl phosphonate esters . . . 10

B

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Battery boxes and parts . . . 7
Benzene phosphorus dichloride . . . 10
Benzene phosphorus oxychloride . . . 10
Benzenephosphinic acid . . . 10
Benzenephosphonic acid . . . 10
Benzyldimethylamine . . . 2
Benzyltrimethyl ammonium hydroxide . . . 2
Bone char . . . 3, 4
Bone flour . . . 3
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Bone meal fertilizer . . . 3
Bone oil . . . 3
Borate tributyl . . . 2
Borate tricresyl . . . 2
Borate trimethyl . . . 2
Borate trimethyl azeotrope . . . 2
Borax, anhydrous . . . 4
Borax decahydrate . . . 4
Borax glass . . . 4
Borax pentahydrate . . . 4
Boric acid . . . 4
Boron alkyls . . . 2
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Boron tribromate . . . 2
Boron trichloride . . . 4
Borophosphoric acid . . . 10
Butyl borate . . . 2
Butyl silicate . . . 2

C

Calcium oxalate . . . 10
Calcium phosphates (See chemicals by name) . . . 10
Carbamide phosphoric acid . . . 10

STAUFFER SALES OFFICE ADDRESSES

Numbers at right denote divisions—see page 1—whose products and services may be discussed with sales personnel at offices listed.

Office Locations	Divisions Represented
ARIZONA, GLENDALE, 5320 West Bethany Home Road, Tel: YEllowstone 7-8921	1
ARKANSAS, NORTH LITTLE ROCK, 12th and Cedar Streets, Tel: FRanklin 4-7445	1
CALIFORNIA, LOS ANGELES 5, 500 South Virgil Avenue, Tel: DUnkirk 5-5341	1, 3, 4
LOS ANGELES 23, 3211-15 East 26th Street, Tel: ANgelus 2-1141	7
OAKLAND 18, 5653 College Avenue, Tel: OLympic 5-7361	5
RICHMOND 4, 1201 South 47th Street, Tel: LAndscape 4-7227	6
SAN FRANCISCO 8, 636 California Street, Tel: SUtter 1-5350	1, 3, 4
SOUTH GATE, 4570 Ardine Street, Tel: LUdlow 8-2214	5
DELAWARE, WILMINGTON, Delaware Trust Building, Tel: OLympia 8-6588	4, 10
FLORIDA, TAMPA 5, 2009 Orient Road, Tel: 4-3127	1
ILLINOIS, CHICAGO 1, Prudential Plaza, Tel: RAndolph 6-8954	4
CHICAGO 6, 155 North Wacker Drive, Tel: DEarborn 2-4010	10
LOUISIANA, HARVEY, P. O. Box 127, Tel: FIllmore 1-4208	1
MASSACHUSETTS, WOBURN, P. O. Box 318, Tel: WElls 5-2300	4
MEXICO, REYNOSA, TAMPS, P. O. Box 506, McAllen, Texas, Tel: REynosa 2-81 and 6-79	1
MICHIGAN, DETROIT 35, 14631 West McNichols Road, Tel: BRoadway 3-7914	10
WESTON, Tel: Sand Creek-GEneva 6-2322	2
MISSOURI, KANSAS CITY 5, 914 Board of Trade Building, Tel: HArrison 1-2051	10
NEBRASKA, OMAHA, P. O. Box 222, South Omaha Station, Tel: 733-3200	1
NEW JERSEY, FRANKLIN, P. O. Box A, Tel: VAn Dyke 7-7161	9
NEW YORK, NEW YORK 17, 380 Madison Avenue, Tel: OXford 7-0600	1, 2, 3, 4, 8, 10, 11, 12, 13
NEW YORK 17, 555 Fifth Avenue, Tel: YUkon 6-2323	1
OHIO, AKRON 8, 326 South Main Street, Tel: POrtage 2-7423	4
OREGON, NORTH PORTLAND, Box 68, Suttle Road, Tel: AVenue 6-4451	1, 4
TENNESSEE, NASHVILLE 3, 1719 West End Building, Tel: CHapel 2-6532	10
TEXAS, HOUSTON 8, P. O. Box 7222, Heights Station, Tel: UNderwood 9-3333	1
HOUSTON 15, 1632 Haden Road, Tel: GLendale 3-7175	8
HOUSTON 25, 6910 Fannin Street, Tel: JAckson 6-2711	3
LUBBOCK, P. O. Box 592, Tel: POrter 2-8133	1
WESLACO, 1300 East Davenport Street, Tel: WOodlawn 8-2112	1

STAUFFER TRADEMARKS AND TRADENAMES

Ajax (phosphate)
Anchor Brand (sulfur)
Armofos (phosphate)
Arrow Brand (sulfur)
BL-60 (leavening agent)
B. P. Pyro #5 (phosphate)
Bake-Aid (phosphate)
Colex® (glue)
Consol® (glue)
Crystex® (insoluble sulfur)
Cyclophos (phosphate)
De-Green™ (defoliant)
Diamond "S" (sulfur)
Dispersed Sulfur 70
Donut Pyro (phosphate)
Dri-Tri® (phosphate)
Eptam® (herbicide)
Ferriclear® (ferric sulfate)
Flexible Fyrex® (flameproofing compound)
Flowable Parathion
Fyrex® (flameproofing compound)
Gel-Gro™ (protein culture food)
Golden Rock (sulfur)
Hi Pac (rubber battery containers)
Hi-Quality (muriatic acid)
Lustraglue® (glue)
Lustrasize® (glue)
Magnetic® (sulfur)
Methyl Trithion™ (insecticide-acaricide)
Natox (oxalate)
Perfection (phosphate)
'Perk' (Stauffer's perchlorethylene)
Photo-Pure (photographic chemicals)
Protan® (formate)
Questex® (chelating agent)
Regent® 12XX (phosphate)
SAPP #4 (phosphate)
Snow White (cream of tartar and Rochelle salt)
Sol-Art (expanded polystyrene decorative screens)
Superfine (sulfur)
Super Texine® (acid inhibitor)
Structo-Foam (expanded polystyrene foam products)
Take-Hold® (plant food compound)
Tiger Brand (sulfur)
Tillam® (herbicide)
Triangle Brand (sulfur)
Trithion® (insecticide-acaricide)
Tru-Flow (polyethylene plastic pipe)
V-90® (phosphate)
Vapam® (soil fumigant)
Victacid 105 (phosphoric acid)
Victad (phosphate)
Victalite (phosphate)
Victalube (rust inhibitor)
Victamide® (sequestering agent)
Victamine (wetting agent)
Victamuls (surface-active agent)
Victawet® (wetting agent)
Victor Cream (phosphate)
Victor Stabilized T 80 Methyl Parathion (pesticide-miticide)
Virgin Rock (sulfur)
Vitrafos® (glassy phosphate)
West End (borax)
WM-100 (asphalt composition battery containers)
Yellotone Refined (sulfur)

CHEMICAL C

Carbon disulfide 4
Carbon tetrachloride 4
Castor oils, phosphated 10
Catalyst, vanadium pentoxide 3, 4
Catalysts, polymerization 2
Catalysts, polyolefin 2
Caustic gluconate 4
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Chlorinated solvents 4
  Carbon tetrachloride 4
  Chloroform 4
  Methylene chloride 4
  Perchlorethylene 4
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Chlorine 4
Chloroform 4
Chloromethylphosphonic acid 10
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Columbium pentachloride 13
Columbium, pure 6
Cream of tartar 4
Cresyl borate 2
Cresyl silicate 2
Cyclohexyl silicate 2

D
Dialkyl chlorophosphates 10
Diammonium phosphate (anhydrous, hydrated and stock food grade) 10
4, 7 Dichloroquinoline 2
Diethylaluminum chloride 2
Diisobutylaluminum chloride 2
Diisobutylaluminum hydride 2
Disodium phosphate, anhydrous 5, 10
Disodium phosphate, duohydrated 10
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E
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Electron beam custom melting 6
Electron beam furnaces and laboratory equipment 6
Electron beam metals and alloys
  Pure columbium, molybdenum, tantalum, tungsten, and alloys of these 6
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Ethyl chlorothiolformate 13
Ethyl silicate, pure, condensed and "40" 2
Ethylaluminum dichloride 2
Ethylaluminum sesquichloride 2
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2-Ethylbutoxysilicate 2
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COMPANY

Stauffer CHEMICALS

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Metal alcoholates (See chemicals by name) . . . 2
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Metals, electron-beam refined (pure columbium, molybdenum, tantalum, tungsten and alloys) . . . 6
Methyl borate . . . 2
Methyl borate, azeotrope . . . 2
Methyl chlorothiolformate . . . 13
Methylaluminum sesquichloride . . . 2
Methylene chloride . . . 4
Molybdenum, pure . . . 6
Monoaluminum phosphate . . . 10
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Phenyl chlorothiolformate . . . 13
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Phenyl phosphonous compounds . . . 10
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Phosphate tributoxyethyl . . . 2
Phosphated castor oils . . . 10
Phosphoric acid . . . 5, 10
Phosphoric anhydride . . . 10
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Phosphorus oxychloride . . . 10
Phosphorus pentasulfide . . . 10
Phosphorus trichloride . . . 10
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Plastic electrical conduit and fittings . . . 7
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Potassium nitrate . . . 4
Potassium orthophosphate . . . 10
Potassium phosphates (See chemicals by name) . . . 10
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Potassium polymetaphosphate . . . 10
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Silicon tetrachloride . . . 4
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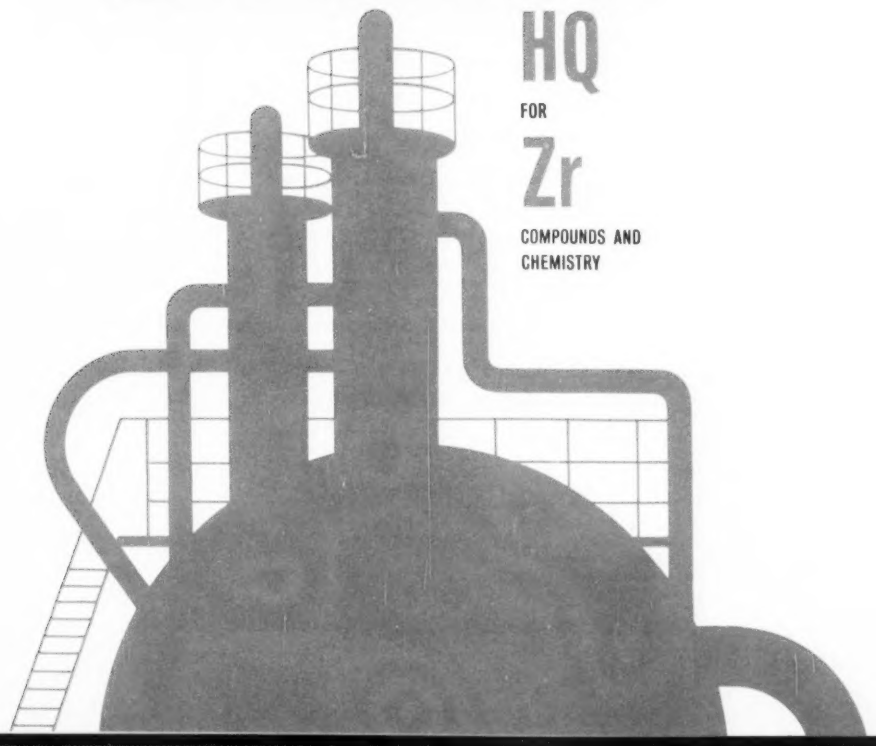
ZIRCONIUM CHEMICALS

Zirconium Silicates
Zirconium Oxides

RELATED PRODUCTS OF TITANIUM AND ZIRCONIUM

TAM

DIVISION NATIONAL LEAD COMPANY



INSERT No. 422

Classification and Commercial Applications		Product
ZIRCONIUM CHEMICALS The number and variety of uses for these compounds is developing rapidly in such applications as: • a precipitant for acid and basic dyestuffs in preparing lakes and toners. • an active ingredient in metal soap type water repellents for textiles and leather. • a raw material in preparing zirconium metal, alloys and organic zirconium complexes. • a catalyst for silicone type water repellent treatments of leather and textiles. • a strong chelating and coordinating reagent in pharmaceutical preparations. • an active ingredient of latex emulsion paints to improve scrub resistance. Plus other applications now in the research and testing stages of development. *Available in developmental quantities. **Other metal Acetylacetonates available on request. TAM DIVISION NATIONAL LEAD COMPANY ***Address inquiries to our NYC offices for detailed technical data, laboratory information or engineering cooperation.***	1	Zirconium Oxychloride—High purity
	2	Zirconium Oxychloride—Technical
	3	Zirconium Hydroxychloride Solution—C.P.
	4	Zirconium Tetrachloride
	5	*Colloidal Zirconia Suspension
	6	Zirconium Acetate Solution, 22% ZrO_2
	7	Ammonium Zirconyl Carbonate Solution
	8	Zirconium Sulfate
	9	Sodium Zirconium Lactate Solution
	10	Hydrous Zirconia
	11	Hydrous Zirconia (Carbonated)
	12	Sodium Zirconium Sulfate (with Insoluble Silica)
	13	Sodium Zirconium Glycolate Solution
	14	Zirconium Glycolate
	15	Zirconium Lactate
	16	*Zirconium Acetylacetonate**
	17	*Zirconium Acetatochloride
	18	*Zirconium Stearate (Basic)
	19	*Zirconium Tetrafluoride—Catalyst
	20	*Zirconium Tetrachloride—High purity
	21	*Zirconium Tetrabromide
ZIRCONIUM SILICATES (ZIRCON) Zircon is practically insoluble in all mineral and organic acids. It is unaffected by aqueous solutions of alkaline reagents either hot or cold. It is a good electrical insulator at elevated temperatures and imparts good heat shock resistance in such bodies. Abrasion resistance is high. These properties are used to advantage in super refractories, high temperature casting cements, mold and core washes. The refractory properties are especially applicable in making phosphates, aluminum refining, melting precious metals, etc. Milled zircon is used as a component in ceramic insulators for spark plugs, special low-loss electrical porcelains and acid-resistant chemical porcelains. The use of Zirconium Silicate as a filler for various resins, plastics and synthetic rubbers increases thermal stability, resistance to solvent and water absorption, and vapor transmission. TAM produces Zirconium Silicates of various purities for numerous applications.	22	Superpax Superpax A
	23	Zircopax
	24	"G" Zircon — Milled and Granular
ZIRCONIUM OXIDE AND STABILIZED ZIRCONIUM OXIDE ZrO_2 is commercially important as an opacifier in ceramics where it imparts high opacity and color stability in glazes, enamels and ceramic pigments. In super refractories, it is used as the raw material for crucibles, rods, tubes and shapes . . . and for application in high temperature furnaces. C.P. Zirconium Oxide is used in the manufacture of Zirconium Metal and as a constituent in high dielectric ceramics. Another Zirconium Oxide finds increasing use in optical glass polishing. Stabilized Zirconia combines a high melting point with excellent thermal shock properties making it an outstanding refractory material for high temperature applications.	25	Opax Opax S
	26	Treopax
	27	Zirox B
	28	Insuloxide
	29	E. F. Zirconium Oxide
	30	C. P. Zirconium Oxide
	31	Zirconia #45006

(approximate physical properties)

Empirical Formula	Color	Wgt. Lbs./ Cu. Ft.	Melt Pt.	SOLUBILITY H_2O	Dil. Acids	Alkalis	Hot Conc. H_2SO_4	HF	STANDARD PKGS. Paper Bags Lbs.	Drums or Bbls. Lbs.	
$ZrOCl_2.8H_2O$	White	44	Decomposes	Sol	Sol	Ppt.	Sol			250	1
$ZrOCl_2.8H_2O$	Light Yellow	44	Decomposes	Sol	Sol	Ppt.	Sol			250	2
$ZrOOHCl$	Clear			Sol	Sol	Ppt.	Ppt.			500	3
$ZrCl_4$	Light Yellow		Sublimes at 330° C.	Sol Decomposes	Sol Decomposes	Ppt. Decomposes	Sol Decomposes			250	4
$ZrO_2.xH_2O$	Milk White			Ins	Sol	Gels	Sol				5
$H_2ZrO_2(C_2H_3O_2)_2$	Clear			Sol	Sol	Ppt.	Decomposes			500	6
$(NH_4)_3ZrOH-(CO_3)_3.2H_2O$	Clear			Sol	Decomposes	Decomposes	Decomposes			500	7
$Zr(SO_4)_2.4H_2O$	White	55	Decomposes	Sol	Sol	Ppt.	Sol			500	8
$NaH_3ZrO-(CH_3CHOCO_2)3$	Clear			Sol	Decomposes	Decomposes	Decomposes			5 gal. pail 50 gal. drum	9
$ZrO_2.xH_2O$	White		Decomposes	Ins	Sol	Ins	Sol			250	10
$2ZrO_2.CO_2.xH_2O$	White		Decomposes	Ins	Sol	Ins	Sol			250	11
$Na_2ZrO(SO_4)_2.2H_2O + SiO_2$	White	77	Decomposes	Pt. Sol.	Pt. Sol.	Decomposes	Pt. Sol.		100		12
$NaH_3ZrO-(HCHOCO_2)_3$	Clear			Sol	Decomposes	Decomposes	Decomposes			5 gal. pail 50 gal. drum	13
$H_4ZrO(HCHOCO_2)_3$	White		Decomposes	Sl. Sol	Sl. Sol	Sol	Decomposes			250	14
$H_4ZrO(CH_3CHOCO_2)_3$	White		Decomposes	Sl. Sol	Sl. Sol	Sol	Decomposes			250	15
$Zr(C_5H_7O_2)_4$	White		Decomposes	Sl. Sol	Sl. Sol	Decomposes	Decomposes				16
$Zr(OH)_2(CH_3COO)_{1.4}Cl_{0.6}.H_2O$	White		Decomposes	Sol	Sol	Ppt.	Decomposes				17
$Zr_2O_3(C_{17}H_{35}CO_2)_2$	White		Decomposes	Ins	Ins	Ppt.	Decomposes				18
ZrF_4	White		Sublimes at 900° C.	Decomposes	Decomposes	Decomposes	Sol				19
$ZrCl_4$	White		Sublimes at 330° C.	Sol Decomposes	Sol Decomposes	Ppt. Decomposes	Sol Decomposes				20
$ZrBr_4$	Brown		Sublimes at 350° C.	Sol Decomposes	Sol Decomposes	Ppt. Decomposes	Sol Decomposes				21
$ZrSiO_4$	White	68	dissociates approx. 3000° F	Ins	Ins	Ins	Ins	Sl. Sol	50	400	22
$ZrSiO_4$	White	98		Ins	Ins	Ins	Ins	Sl. Sol	80	500	23
$ZrSiO_4$	Gray-White	95 184		Ins	Ins	Ins	Ins	Sl. Sol	100	500	24
ZrO_2	White Cream	105	4500° F	Ins	Ins	Ins	Sol	Sol	80	500	25
ZrO_2	White Cream	89	4500° F	Ins	Ins	Ins	Sol	Sol	80	550	26
ZrO_2	White	72	4500° F	Ins	Ins	Ins	Sol	Sol		50 100	27
ZrO_2	Cream	110	4500° F	Ins	Ins	Ins	Sol	Sol	80	550	28
ZrO_2	Salmon	205	4900° F	Ins	Ins	Ins	Sol	Sol		100	29
ZrO_2	Off White	89	4900° F	Ins	Ins	Ins	Sol	Sol		100	30
ZrO_2	Salmon		4900° F	Ins	Ins	Ins	Sol	Sol		100	31

TITANIUM AND ZIRCONIUM PRODUCTS by TAM

chemical, ceramic, electronic and metallurgical

RUFLUX (Welding)

Ceramic Rutile
Frit Rutile
Potassium Titanate
Sodium Titanate
Treopax
Alloys Milled

CERAMIC (Opacifiers)

Superpax
Superpax A
Zircopax
Opax
Zirconium Silicates
Zirconium Double Silicates

METALLURGICAL

Zirconium Metal
Titanium Carbide
Zirconites
Zirconia
Alloys
Compounds
Fused Salts

ELECTRONIC TITANATES

Barium Titanate
Bismuth Titanate
Calcium Titanate
Cerium Titanate
Cobalt Titanate
Copper Titanate
Magnesium Titanate
Nickel Titanate
Strontium Titanate
H. G. Titanium Oxide
Lead Titanate
Zinc Titanate

ELECTRONIC STANNATES

Barium Stannate
Calcium Stannate
Cerium Stannate
Lead Stannate
Magnesium Stannate
Strontium Stannate

CERAMIC CEMENTS

Zircon Cements
Zirconium Oxide Cements

ELECTRONIC ZIRCONATES

Barium Zirconate
Bismuth Zirconate
Cadmium Zirconate
Calcium Zirconate
Cerium Zirconate
Lead Zirconate
Magnesium Zirconate
Strontium Zirconate
Zinc Zirconate

• ***TAM SERVICE*** In developing commercial application for the elements Titanium and Zirconium, **TAM** has also developed many benefits for the users of these products. An experienced technical staff and specialized research facilities are equipped to cope with problems peculiar to the variety of industrial applications for **TAM** products. By means of continuing research, products are being developed or adapted to meet changing demands. Extensive raw material deposits assure a continuous supply.

• ***WHERE TO GET DETAILED DATA*** The field engineer servicing your territory will be most willing to supply complete data. However, to obtain an immediate answer whether it concerns products, research developments, prices, engineering assistance or matters of similar nature, please contact our New York City Headquarters at 111 Broadway.

• ***FIELD ENGINEERS*** **TAM** resident development engineers are headquartered near key chemical centers to provide personal assistance when needed.

TAM
DIVISION NATIONAL LEAD COMPANY

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HQ FOR Zr
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1961
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Technical service helps customers use U.S.I. products more profitably. The company has set up extensive facilities for this purpose, manned by a highly skilled staff. U.S.I. technical service engineers go into customers' plants and study their operations at first-hand. They often make recommendations for improvements based on their chemical industry background and skills—backed up, if necessary, by help from other specialists at U.S.I. laboratories and plants.

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PRODUCT AND CHEMICAL FORMULA	Distillation Range °C.	Flash Point (open cup) °F.	Evaporation Rate Minutes	Acidity, Free Acid, Maximum	Specific Gravity 20/20°C.	lbs/gal at 60°F.	APPLICATIONS	CONTAINERS
ALCOHOLS								
Industrial Ethyl Alcohol C_2H_5OH								4-, 6-, 8- and 10-thousand gallon tankcars, compartment tankcars, tank trucks, 54- and 5-gallon drums, drum carloads.
Pure Ethyl Alcohol:								
190° proof, USP, ACS	b.p. 78.3	75	.....	0.0014*	‡0.816	6.79	Industrial and laboratory solvent. Manufacture of pharmaceuticals, extracts, denatured alcohol, etc.	
200° proof, USP, ACS	b.p. 78.4	70	.....	0.0014*	‡0.794	6.61		
Specially Denatured Alcohols	Data upon request						All Government-authorized uses. Data on request.	
Completely Denatured Alcohols	Data upon request							
Butanol (Normal Butyl Alcohol) C_4H_9OH	1.5 including 117.7	115	67	.005% as acetic	0.810-0.812	6.75	Latent solvent for nitrocellulose, solvents for ethyl cellulose and many resins, many chemical syntheses.	same as ethyl alcohol.
DENATURED ALCOHOL SOLVENTS, PROPRIETARY								
SOLOX® Proprietary Solvent: General Purpose							Shellac solvent and general solvent, fuel oil conditioner, cleanser; ingredient for cleaning compounds, lacquers, paint removers, polishes, etc. In spirit varnishes, in purification, extraction and crystallization processes.	Pt., qt., gal. cans; 5-gal., 55-gal. steel drums. Also tankcars and tank trucks (as ethyl alcohol) to users having authorization of ATTD, Internal Revenue Service.
Regular, 190 proof	.....	70	.....	.005% as acetic	‡0.815	6.79		
Anhydrous, 200 proof	.....	70	.....	.005% as acetic	‡0.796	6.63		
FILMEX® Industrial Solvent 190 proof formulation	75-81	70	.....	.005% as acetic	‡0.814	6.77	Special proprietary denatured alcohol solvent for use in flexographic inks and other legitimate industrial uses.	55-gal. steel drums. Also tankcars and tank trucks (as ethyl alcohol) to users having authorization of ATTD, Internal Revenue Service.
Anhydrous, 200 proof	76-81	65	.....	.005% as acetic	‡0.796	6.63		
ANSOL®M Solvent (Anhydrous Denatured Alcohol Special Solvent Blend)	70-80	50	14.5	.01% as acetic	0.797-0.800	6.64	Anhydrous solvent for many resins not soluble in ethanol alone. Solvent for SS nitrocellulose. Used as a lacquer solvent and thinner and in plastic cements, celluloid, cleaners, paper, lacquer, thinners, linoleum, varnish, etc.	Tankcars and tank trucks same as ethyl alcohol. Drums, net: 6.6-lb, 33-lb, and 365-lb.
ANSOL®PR Solvent (Anhydrous Denatured Alcohol Special Solvent Blend with higher ester content and solvency)	70-80	50	9	.01% as acetic	0.840-0.843	7.01	Anhydrous solvent comparing favorably with ethyl acetate. Used as a lacquer solvent and thinner and in celluloid, paper, cleaners, decalcomanias, linoleum, cement, paint removers, varnishes.	Tankcars and tank trucks same as ethyl alcohol. Drums, net: 7-lb, 35-lb, and 385-lb.
Other Special Solvent Blends	Specifications on request.							
ESTERS								
n-Butyl Acetate $CH_3COOC_4H_9$	118-128	100	34.75	.01% as acetic	0.874-0.877	7.29	Most widely used medium-boiling nitrocellulose solvent. Used in airplane dopes, artificial pearl, celluloid, cements, coated paper, lacquers, plastic wood, thinners, leather finishes, linoleum, textile sizing.	Tankcars and tank trucks same as ethyl alcohol. Drums, net: 7.3-lb, 36-lb, and 400-lb.
Dimethyl ISOSEBACATE	112-127†	282††	.....	.....	.....	8.22	Intermediate for plasticizers, lubricants, alkyd resins, reenforced plastics, urethane resins, chemical synthesis.	Tank cars and tank trucks. 50-gallon drums.
Ethyl Acetate $CH_3COOC_2H_5$								Tankcars and tank trucks same as ethyl alcohol. Drums, net: 85-88%: 7.4-lb, 37-lb, 405-lb. 95-98%: 7.5-lb, 37-lb, 410-lb. 99%: 7.5-lb, 37-lb, 410-lb.
Commercial 85-88%	70-80	42	11.25	.01% as acetic	0.882-0.886	**7.36	Excellent solvent for cellulose esters, resins, etc. Also used in acetic acid extraction, candy glaze, cleaners, denatured alcohols, flavorings, perfumes, rayon, pharmaceuticals, smokeless powder, paint removers, spirit varnishes, etc.	
Commercial 99% (95-98% & USP also available)	75-80	42	.....	.01% as acetic	0.899-0.902	**7.50		
ETHERS AND KETONES								
Ethyl Ether, USP $(C_2H_5)_2O$ (Also Absolute ACS, Refined, and Technical grades)	.....	below 0°F	.....	=0.4 ml. 0.02N NaOH per 25 ml.	0.713-0.716	6.00	Widely used as a solvent for fats, oils, resins; solvent (in combination with alcohol) for nitrocellulose; organic syntheses. An essential laboratory reagent.	8- and 10-thousand gallon tankcars, 30,000-lb. drum cars, 54- and 5-gal. steel drums.
Acetone $(CH_3)_2CO$ (Dimethyl Ketone)	1° including 56.1	15	5.5	.002% as acetic	0.791-0.793	**6.59	Solvent for cellulose acetate, vinyl resins, acetylene gas, waxes, fats; used in pharmaceuticals, dyes, plastics; as a dewaxing agent for lubricating oils; organic syntheses.	same as ethyl alcohol.

INTERMEDIATES AND FINE CHEMICALS	FORMULA	COLOR	MELTING POINT °C.	PURITY	lbs/gal at 68°F.	APPLICATIONS	CONTAINERS
Ethylene, Refined	C_2H_4	Colorless	.....	Refined 99%	compressed gas	Fuel gas; fruit ripening agent, refrigerant; organic syntheses.	Steel cylinders, returnable, net: 25-lb. Also 30,000-lb gross cars.
Urethan, USP (Ethyl Carbamate)	$NH_2COOC_2H_5$	White	48-50	98%	solid	Pharmaceuticals, cosmetics; in organic syntheses.	Fiber drums, net: 250-lb (crystals), 475-lb (fused).

CHEMICALS, INORGANIC

Ammonia, Anhydrous—Commercial and refrigeration grades, in tankcars or tank trucks only, from Tuscola, Ill.

Ammonia, Aqua—30% ammonia (or less) in tankcars or tank trucks, from Tuscola, Ill.

Ammonium Nitrate—Up to 83% solutions in tankcars and tank trucks from Tuscola, Ill.

Phosphoric Acid—52-53% P_2O_5 wet-process acid, in tankcars and tank trucks, from Tuscola, Ill.

Nitric Acid—57%, in stainless steel tank trucks, from Tuscola, Ill.

Sodium Peroxide—Dust-free granules shipped in drums, from Ashtabula, O.

Sodium Metallic—99.95% purity. Available in 80,000-lb. tankcars; 12-, 5-, 2½-, 1-lb. bricks in 55-gal. steel barrels: 1-, 2-lb. bricks in 20-lb. net steel pails; cast solid in 55-gal. steel drums and pails.

Sulfuric Acid—All strengths from 60° Baume' to 40% oleum. Also electrolyte grade meeting federal specifications. Tankcars or tank trucks only. From Tuscola, Ill., Dubuque, Ia., DeSoto, Kans.

Nitrogen Fertilizer Solutions—Aqueous solutions of ammonium nitrate, ammonia and/or urea in all standard analyses, from Tuscola, Ill.

PHARMACEUTICAL PRODUCTS

DL-Methionine (Pharm.)— Essential sulfur amino acid for feed and pharmaceutical use.

N-Acetyl DL-Methionine—Derivative of methionine giving increased solubility.

Urethan USP (Ethyl Carbamate)—For pharmaceutical synthesis.

POLYETHYLENE RESINS

PETROTHENE® Polyethylene Grades for blown, cast, and water-quenched films; substrate coating; wire & cable coating; injection molding; blow molding; thermo-forming; pipe extrusion; calendering.

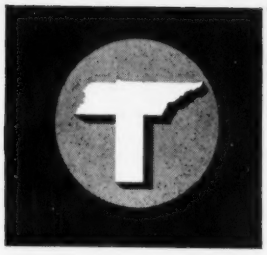
Packaging: Polyethylene-coated multiwall and 10-mil polyethylene bags, net weight 50 lb. Palletized shipments upon request. 10,000 lb. net U. S. Rubber "Sealdbin" containers—100,000 lb. "Dry-Flo" cars.

Form: Solid cubes and pellets.

Color: All types available in natural or black.

MICROTHENE Finely-divided polyethylene resin (powder form).

*gm/100 ml. **at 20°C or 68°F. ‡60/60°F or 15.56/15.56°C. †at 3 mm Hg ††closed cup



HIGHEST STANDARDS OF QUALITY AND SERVICE

ACETIC ACID
A natural product and is recognized for its uniformity and purity. Used in a variety of applications, including solvent and textile uses.

AMMONIUM SULPHATE
Produced from coke-oven ammonia, and is primarily used in the manufacture of fertilizers.

BENZAL CHLORIDE
Major use is hydrolysis to benzaldehyde. Made and handled in large quantities as one of our process intermediates. Available in commercial volume on short notice.

BENZALDEHYDE
Offers many possibilities for uses in synthetics, perfumes and cosmetics requiring a product which meets the highest commercial standards for purity. Technical and NF grades are available.

BENZENE
Principal uses are as a solvent and in the synthesis of compounds including styrene, GR-S synthetic rubber, phenol, chlorobenzenes and many dyes. Available in several grades including "two degree industrial pure," meeting or exceeding A.S.T.M. specifications.

BENZOFLEX® 2-45
Diethylene Glycol Dibenzoate. A primary plasticizer for vinyl resins and is of particular interest in polyvinyl acetate adhesive formulations, contributing quick grab and excellent low temperature adhesion properties. Compatible with ethyl cellulose, cellulose nitrate, butyrate, cellulose acetate, Buna-N rubber and phenol-formaldehyde resins.

BENZOFLEX® 9-88
(U. S. Patent 2,956,978)
Dipropylene Glycol Dibenzoate. Used as an all-purpose primary plasticizer for formulating vinyl resins. Features include strong solvent action, permitting lower processing temperatures, good tensile strength and good compatibility with other primary and secondary plasticizers. One of the largest selling non-phthalate plasticizers.

BENZOFLEX® P-200
Polyethylene Glycol-200 Dibenzoate. Increases the elasticity and tack of polyvinyl adhesive formulations. An excellent plasticizer for phenol-formaldehyde resins and for alkyd modified phenol-formaldehyde varnishes. Has limited compatibility with PVC.

BENZOFLEX® P-600
Polyethylene Glycol-600 Dibenzoate. Useful as a component in waxes and polishes. Although less than 1% soluble in water, will take up to 32% of its weight into solution, suggesting uses as a humectant and drying agent.

BENZOFLEX® T-150
Triethylene Glycol Dibenzoate. A solid at room temperature, melting at 115° F., which indicates possible uses as a high melting plasticizer for surface coatings and for formulating temperature sensitive adhesives and coatings. Soluble in many organic solvents and oils and is almost insoluble in water.

BENZOIC ACID
Receiving increased attention as a low-cost raw material for tonnage organic chemicals and intermediates. Currently used as a multiple-action preservative for a range of products including adhesives, rubber latex and soaps. Also useful as a modifying agent in alkyd resins for paint and as an intermediate for various dyes, plasticizers and pharmaceuticals. Available in technical and U.S.P. grades.

BENZOGUANAMINE
A solid, reactive, substituted triazine which can be reacted with aldehydes and alcohols to form a wide variety of useful resins. Resins from benzoguanamine have application in paints, inks and decorative laminates.

BENZONITRILE
Offers unique solvent properties as a polar aromatic compound completely miscible with common organic solvents. Essentially insoluble in water, with a low evaporation rate.

BENZOTRICHLORIDE
Primarily used in the synthesis of a variety of organic compounds including benzoic acid, benzoyl chloride and other acyl halides and dyes.

BENZOYL CHLORIDE
Used in the commercial production of benzoyl peroxide and a number of dyes including Indanthrene Golden Yellow. Is a highly reactive esterifying agent with alcohols and can be used to form various ketones by the Friedel-Crafts reaction.

BENZYL ALCOHOL
Used to manufacture esters—such as the acetate, benzoate, butyrate and cinnamate—for use in perfumes and flavors. Because of unusual solvent properties, used in the formulation of cosmetics, inks and lacquers. One of the few chemicals which will freely dissolve three major classes of cellulose derivatives—the nitrates, acetates and ethers. Miscible with aromatic hydrocarbons, linseed and castor oils and dissolves ester gum, mastic, coumarone resins and some of the newer synthetics. Also useful in the manufacture of plasticizers, resins, plastics and aliphatic esters. Available in technical and NF grades.

BENZYL BENZOATE
Has a range of medical, perfume and flavor uses which require the highest standards of controlled quality and purity. Also used as a miticide, a solvent in synthetic musks and fixative in perfume formulations. U.S.P. grade available.

BENZYL CHLORIDE
Benzyl Chloride, also called Alpha-Chlorotoluene, has a high degree of reactivity. Benzyl alcohol, benzyl amine, potassium phenol acetate, dyes and various ammonium compounds are among its many end products. Compounds for insecticides and bacteriacides, pharmaceuticals, perfumes, rubber chemicals and textile whiteners are also based on this product.

DENATURING GRADE METHANOL
A distillate of crude wood alcohol imparting a characteristic odor and taste to ethyl alcohol for warning purposes which cannot be duplicated with materials from synthetic sources. Meets U. S. Government requirements for alcohol denaturant.

HYDROCHLORIC ACID
Also known as muriatic acid. Used in such diversified fields as production of pigments, pickling of metal for scale removal, acidizing of petroleum wells, and production of synthetic rubber and plastics. Several grades, including a grade suitable for food processing, are available.

SODIUM BENZOATE
Can be more easily used in foodstuffs than benzoic acid because of greater solubility in water. In acid foods, benzoic acid is liberated. Thus, this product is the preferred source of benzoic acid in preserving acid foodstuffs. Also used as corrosion inhibitor and preservative in adhesives, latexes, soaps, and water-base paints. Available in Technical and U.S.P. grades.

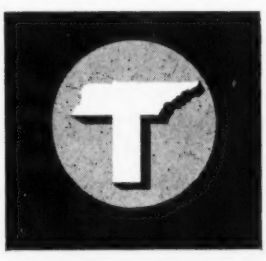
SMOKE FLAVOR
Liquids which give the flavor and odor of hardwood smoke to foods and other products. Both oil and water soluble grades approved for food usage.

TENN-CREO®
A blend of selected hardwood creosote and oil fractions used as an insecticide, and as a stain and preservative for wood.

TENN-FLO FILTER AIDS®
Used to form fluffy, porous layer in front of filter media to permit removal of solids at high liquid flow rate. Produced in several grades from expanded perlite, and features low bulk and cake densities.

TENN-SIL FILLERS
Inorganic, inert granular materials used as thermal insulation and as extenders and fillers in a variety of applications, including plastics, paper, ceramics, soaps, paints and coatings. Produced in several grades from specially prepared expanded perlite, it is one of the more efficient cryogenic insulations available.

EXPANDED PERLITE POWDER
Inert, lightweight, white inorganic powder which does not disintegrate when wetted. Abrasion resistant, and is not attacked by fire, vermin, or mildew, and is resistant to the action of acids. Key features are small particle size—99% passing a 200 mesh screen—and low bulk density of around 14 pounds per cubic foot, 1/7 that of ordinary sand.



TENNESSEE PRODUCTS & CHEMICAL CORPORATION

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NASHVILLE 5, TENNESSEE

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...made to the highest standards of quality and purity

INORGANIC CHEMICALS

Phosphorus, Elemental
Phosphoric Acids
Polyphosphoric Acids
Phosphoric Anhydride
Disodium Phosphate
Trisodium Phosphate
Sodium Tripolyphosphate
Tetrapotassium Pyrophosphate
Tetrasodium Pyrophosphate
Sodium Hexametaphosphate
Sodium Metasilicate
Ferrophosphorus

ORGANIC CHEMICALS

Dimethyl hydrogen phosphite
Diethyl hydrogen phosphite
Dibutyl hydrogen phosphite
Bis(2-ethylhexyl) hydrogen phosphite
Trimethyl phosphite
Triethyl phosphite
Triisopropyl phosphite
Tributyl phosphite
Triisooctyl phosphite
Tris(2-ethylhexyl) phosphite
Tris(2-chloroethyl) phosphite
2-Ethylhexyl octylphenyl phosphite
Diethyl ethylphosphonate
Dibutyl butylphosphonate
Bis(2-ethylhexyl) 2-ethylhexylphosphonate
O,O,O-Triethyl phosphorothioate
O,O,O-Tributyl phosphorothioate
O,O,O-Triisooctyl phosphorothioate
Alkyl acid phosphates
Aryl acid phosphates

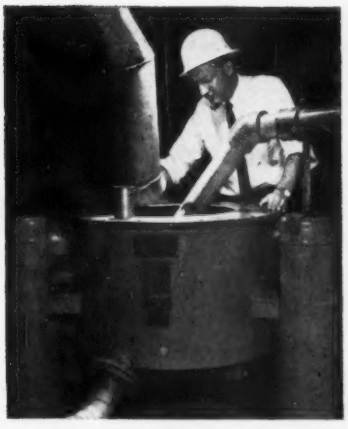
AGRICULTURAL CHEMICALS

FOLEX®
V-C 13
PHOSFON-D®

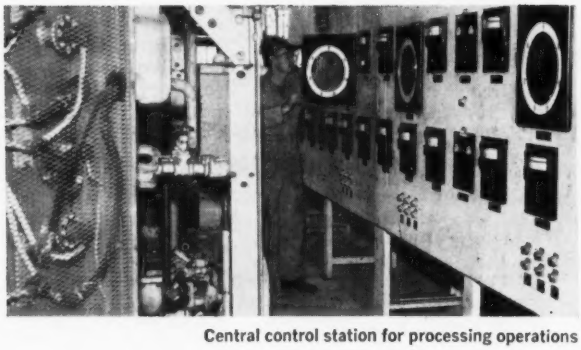
VIRGINIA-CAROLINA CHEMICAL CORPORATION

Chemicals Division: 401 EAST MAIN STREET, RICHMOND 8, VIRGINIA • Phone: Milton 8-0113

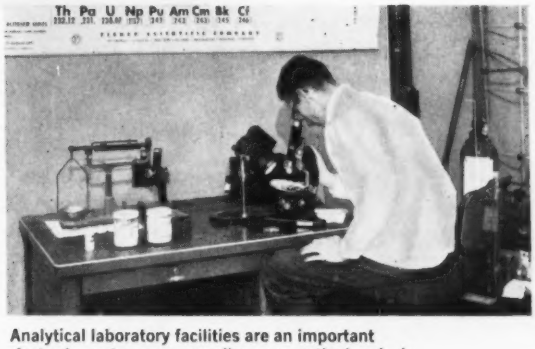
RARE EARTHS from Vitro



Centrifuge for mixing rare earth compounds



Central control station for processing operations



Analytical laboratory facilities are an important factor in custom compounding rare earth chemicals

Cerium Hydrate (1010)* Powdered. Production cerium salts, impart yellow coloring to glass, shielding glass, opacifier in glazes and enamels.

Cerium Metal (1020) Granular, ingots, rods. Metallurgy and research.

Cerium Oxide (1031) High purity. 99.8-99.9%. Opacifier, pigment, shielding glass.

Cerium-Free Rare Earth Carbonate (1502) Didymium carbonate non-classical. Commercial. Ceramic dielectrics.

Cerium-Free Rare Earth Chloride (1510) Cast. Manufacture of cerium-free mischmetal.

Didymium Metal (1120) Granular, ingots, rods. Metallurgy and research.

Europium Oxide (1211-monoclinic). (1212-cubic). 99.8% minimum. Reactor control rod material, burnable poison, activator in phosphors.

Lanthanum Metal (1320-ingot). (1321-wire). (1322-rod). Ingot, rod, wire. Metallurgy, reducing agent, and research.

Lanthanum Oxide (1301) Ceramic. Technical ceramics.

Cerium-Free Mischmetal (1520) Granular, ingots, rod. Metallurgy and research.

Neodymium Oxide (1801) 95%. Glass coloring.

Neodymium Oxide (1802) (1803) (a) 99% (b) 99.8-99.9%. Glass colorant, catalyst, and research.

Rare Earth Chloride (143-lump). (1432-cast). Lumps and (a) cast, (b) crystal.

Rare Earth Fluoride (1420) Fine powder, granular. Cored carbon for arc lighting, metallurgy special alloy steels, and nodular iron.

Samarium Oxide (1901) (1902) (a) 99% (b) 99.8-99.9%. Phosphor activator, production of luminescent and infra-red absorbing glass, neutron absorber in nuclear reactors, research, and caatalysis.

Scandium Oxide (1701) (1702) (a) 99%. (b) 99.5%. Research, manufacturing scandium metal for alloying, and ceramics.

Thorium Nitrate (1631-wire). (1632-mantle). Mantle, wire. Gas mantles and thoriated tungsten.

Thorium Oxide (1601) Ceramic 99%. High temperature refractories. Specific densities and grain size distributions available on request.

Thorium Fluoride (1610) Ceramic 99%. High temperature refractories.

Vitrox C (5020) Cerium oxide polishing compound, 90-92%, CeO_2. Plate, flat, cast glass, mirrors, ophthalmic, precision, optical, TV tubes, specialty glasses.

Vitrox R (5010) Rare earth oxide polishing compound 42-43%, CeO_2. Precision optical, mirror.

Xenotime 85%. Source of Y_2O_3 and heavy rare earths.

Yttrium Oxide (2601) (2602) (a) 99%. (b) 99.8-99.9%. Metallurgy, semi-conductors, electrodes for inert gas shielded arc welding, ferrites, and research.

Alloys: Thorium-Magnesium (7010)-20% Th. (7020)-30% Th. (7030)-40% Th. (7031)-quarter-rounds. (7032)-large ingots. For high temperature wrought and cast magnesium products.

**Code number.*

OTHER PRODUCTS OTHER VITRO CHEMICALS INCLUDE FLUORIDES, CHLORIDES, SULFATES, AND NITRATES. COMPOUNDS OF GADOLINIUM, PRASEODYMIUM, DYSOPROSIUM, TERBIUM, HOLMIUM, THULIUM, YTTERBIUM, AND LUTETIUM ARE ALSO AVAILABLE. ALL OF THESE MATERIALS ARE OBTAINABLE IN PURITIES EXCEEDING 99%. ALSO READY ON REQUEST: ANY SPECIAL BLEND OR CUSTOM RARE EARTH FAMILY CHEMICAL AND METAL ALLOY IN LABORATORY OR COMMERCIAL QUANTITY. ADDED PRODUCTS IN COMMERCIAL STOCK ARE NICKEL CHLORIDE, ZIRCONIUM ACETATE, AND ZIRCONIUM SULFATE.

Vitro CHEMICAL COMPANY

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The constant purity of Wilmar products is controlled by Gas Chromatograph. The unusually light color, low odor and stability have been obtained by creative and novel means. This high quality and integrity of Wilmar products will put more value, greater mileage and higher profits into *your* product—at no extra cost!



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Polymeric Plasticizers
Adipate Plasticizers
Glycol Ester Plasticizers
Propyl & Isopropyl Oleates
Isopropyl Myristate & Palmitate
Butyl Stearate
Butyl Oleate
"Cellosolve" Stearate
Hexadecyl Stearate

GLYCERYL & GLYCOL ESTERS—EMULSIFIERS

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A complete line of Fatty Acid Esters for food, cosmetics & industry.

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Hydrogenated Fatty Acids
Vegetable Fatty Acids
Food, Cosmetic and Technical Grades

NITROGEN DERIVATIVES—CATIONICS

The "Wilimids" are a series of imidazolines and fatty nitrogen derivatives having surface active, germicidal and cationic activity.

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WYANDOTTE KEY CHEMICALS FOR INDUSTRY



Wyandotte concentrates on the production of key chemicals — chemicals that are as important to us as they are to our users. From conception, to research — from development to production and distribution — they receive extra care and attention with a single objective in mind: to assure you of the best product performance at the lowest possible cost consistent with your desired quality.

The next two pages feature Wyandotte polyols and development chemicals.

See our fourth page for a more complete list of Wyandotte organic and inorganic chemicals, with grades and shipping information.

WYANDOTTE CHEMICALS

Wyandotte Chemicals Corporation • Wyandotte, Michigan
Offices in Principal Cities

PRECIPITATED CALCIUM CARBONATES... *of exceptional purity, uniformity, whiteness*

PURECAL® SERIES

Wyandotte's calcium carbonates, identified by the Purecal trademark, are produced by a special precipitation process which results in finer particles of greater uniformity than is possible by any other method. Cubical shape of particles results in higher packed density, lower surface area, better flow and leveling. All grades are exceptionally pure and white.

Uses: Coating ingredients for fine paper stocks. Non-black filler in rubber and plastics industries. Pigment extender for paints, printing inks. Filler in dentifrices, cosmetics, pharmaceuticals. Neutralizing agent in preparation of antibiotics. Insecticide carrier. Enamel-color extender in ceramics production. Calcium enrichment of food products.

Properties	Purecal O	Purecal T	Purecal U	Purecal SC*
Particle Size, Microns (Electron Microscope)	0.10-0.35	0.045-0.06	0.033-0.04	0.045-0.06
Specific Gravity	2.65	2.65	2.65	2.55
Packed Density g./cc	0.62-0.72	0.48-0.54	0.48-0.54	0.54-0.58
Color	White	White	White	White
Color Analysis (MgO = 100) (General Electric Recording Spectrophotometer)	100	100	100	99.0
Oil Absorption**	32	52	55	40
Residues 325 Mesh (incl. 200M)	nil	1.5	1.5	1.5
Index of Refraction	1.658	1.658	1.658	—

*Purecal SC has a 2% modified fatty acid treatment, coating each particle, that acts to upgrade modulus, "snap", and resilience in rubber. Also gives controlled curing rate.
**cc linseed oil per 100 grams pigment.

WYANDOTTE POLYOLS

. . . chemical building blocks for countless new and better products

PLURONIC® SERIES— *100% active nonionic surface-active agents*

A series of related difunctional block-polymers terminating in primary hydroxyl groups. Twenty-two grades presently available in commercial quantities; other grades available in experimental quantities. Liquid, paste, flake, powder, and cast-solid forms . . . with molecular weights ranging from 1,000 to over 15,000. Almost any ratio of hydrophobe to hydrophile . . . allowing a wide range of physical properties.

Uses: Low-foaming laundry detergents, machine-dishwashing compounds, rinse aids, metal cleaning, metal cutting, dye leveling, petroleum demulsifying, textile processing, water treating, pharmaceuticals, shampoos, adhesives, paint pigment dispersants, and general defoaming applications.

PLURACOL® E SERIES *(polyethylene glycols)*

Ten grades of polyethylene glycols ranging in physical form from liquids to solids. Each grade is identified by its molecular weight . . . i.e., Pluracol E 200 has an average molecular weight of 200. They are odorless, nearly water-white and non-volatile. Heat stable at normal temperature and generally miscible with water, alcohol and other glycols; insoluble in aliphatic hydrocarbons but soluble in aromatic hydrocarbons.

Uses: Members of the Pluracol E series impart a soft, pliable "hand" to hydrophilic yarns such as cotton, viscose, and acetate; also are used as textile softeners, plasticizers, humectants, anti-static agents, and yarn lubricants. Excellent rubber lubricant qualities make Pluracol E's particularly suitable mold release agents, airbag and latex lubricants. In pharmaceuticals and cosmetics, they act as bases for ointments and creams.

	E 200	E 300	E 400	E 600	E 1000	E Blend 500	E 1500	E 2000	E 4000	E 6000
Physical Form	Liquid	Liquid	Liquid	Liquid	Paste	Paste	Paste	Flake	Flake	Flake
Molecular Weight Range	190-210	285-315	380-420	570-630	950-1050	500-600	1300-1600	1900-2300	3700-4400	5700-6700
Flash Point °F.	360	415	460	480	490	448	>490	>490	>490	>490
Freezing Point Range °C.	Supercools	−8 to −15	8 to 4	25 to 20	38.5 to 37.5	—	47 to 43.5	53.5 to 51.5	61 to 55	62 to 59
Spec. Gravity 25/25 °C.	1.124	1.124	1.125	1.125	1.16	1.17	1.20	1.21	1.20	1.21
Viscosity, Centistrokes, 210° F.	4.3	5.9	7.3	10.3						
pH, 5% Aqueous Sol.					4-7	4-7	4-7	4-7	4-7	4-7
Color of 25% Sol. APHA Max.					25	25	25	25	50	50

PLURACOL P SERIES *(polypropylene glycols)*

Available in four liquid grades. All are virtually water-white and non-volatile. Their water solubility decreases with increasing molecular weight.

Uses: Hydraulic-brake fluids, other functional fluids. Chemical intermediates in forming mono- and diesters, ethers, acetals, amines, amides, and thioethers. P 2010 used in the preparation of prepolymer-type flexible urethane foams, and to impart strength properties to one-shot flexible foams.

	P 410	P 710	P 1010	P 2010
Molecular Weight	400	775	950	2000
Visc. at 100° F. (cps)	35	71	73	174
Pour Point °F.	−35	−35	−35	−35
Specific Gravity	1.0086	1.0081	1.0068	1.0022
Color, APHA	30-40	10-20	30	10-20
Volatiles, %	0.2	0.2	0.2	0.2 max.
Water, %	0.1	0.1	0.1	0.1 max.
Sodium, ppm	1	1	1	1
Potassium, ppm	56	8	7	5

PLURACOL TP TRIOLS

A new series of trifunctional liquid polyols, available in six commercial grades with numbers indicating average molecular weights. Samples for laboratory evaluation are available on request.

Uses: Flexible and rigid urethane foams, urethane coatings and solid polymers.

	340	440	740	1540	2540	4040
Molecular Weight	300	418	732	1535	2670	4100
Hydroxyl No. KOH/g	561	404	230	110	63	41
Water, %	0.1	0.1	0.1	0.1	0.1	0.1 max.
Unsaturation, meq/g	0.005	0.005	0.005	0.02	0.04	0.08
Volatiles, % by weight	0.1	0.2	0.1	0.1	0.05	0.05
Sodium and Potassium, ppm	<100	<70	<10	<10	<10	<10
Acid Number	0.04	0.03	0.03	0.04	0.02	0.02
Visc. at 25° C., cps.		625	325	290	440	670

PLURACOL GP 3030 TRIOL

Use: Urethane foam formulations.

TYPICAL ANALYSIS AND PROPERTIES

Form	Liquid
Molecular Weight	3000
Hydroxyl Number, KOH/g.	56
Apparent pH, 10g. in 60cc. of 10:6 Isopropanol: Water	4.8
Water, %	0.10
Unsaturation, meq./g.	0.04
Volatiles, % by weight	0.1
Acid Number	0.06
Sodium and Potassium, ppm	10
Viscosity @ 25° C.	275

PLURACOL SP POLYOLS

Use: Urethane foam formulations.

Typical Physical Properties	SP-560	SP-760
Hydroxyl Number	654	487.6
Molecular Weight	514	691
pH (MeOH: water)	5.5	5.6
Unsaturation, meq./gm	0.001	0.001
Water, %	0.02	0.05
Color, APHA	240	200
Volatiles, %	0.04	0.01
Acid Number	0.031	0.08
Sodium and Potassium, ppm	3-5	3-5
Viscosity, at 25° C., cps.	134,000	13,100

PLURACOL TPE 4542 TRIOL

A propylene oxide adduct of trimethylolpropane terminated with ethylene oxide to obtain a higher percentage of primary hydroxyl groups.

Use: Urethane foam formulations.

TYPICAL ANALYSIS AND PROPERTIES

Form	Liquid
Molecular Weight	4500
Hydroxyl Number KOH/g.	37.3
Apparent pH, 10 g. in 60 cc. of 10:1 Methanol: Water	7
Water, %	0.10
Unsaturation, meq./g.	0.08
Volatiles, % by weight	0.05
Sodium and Potassium, ppm	<10
Acid Number	0.03
Viscosity @ 25° C., cps.	500

PLURACOL PeP TETROLS

Each member of this series is characterized by four secondary hydroxyl groups, each joined to a central carbon atom by an oxyalkylene chain.

Uses: Urethane foams, elastomers, and coatings.

Typical Physical Properties	PeP 450	PeP 550	PeP 650
Form	Liquid	Liquid	Liquid
Hydroxyl Number	560	448	374
Molecular Weight	400	500	600
Water, %	0.1 max.	0.1 max.	0.1 max.
Apparent pH, 10g. in 60 cc. of 10:1 methanol: water	7.0	7.0	7.0
Volatiles, %	0.1	0.1	0.1
Acid Number	0.05	0.04	0.03
Unsaturation	0.002	0.003	0.004
Sodium and Potassium, ppm	100	75	50
APHA Color	50	50	50
Viscosity at 25° C., cps.	1472	820	1140

TETRONIC® SERIES—*100% active nonionic surface-active agents*

A tetrafunctional series of polyether block-polymers ranging in physical form from liquids through pastes to flakeable solids. Physical state varies with molecular weight and oxyethylene content. All members of the series are 100% active agent, have excellent detergency and limesoap dispersing properties, and are low to moderate foamers. Some show defoaming activity.

Uses: Preparation of both flexible and rigid polyurethane foams . . . prepolymers can be made; "one-shot" techniques can also be used. Emulsifying and demulsifying agents. Presence of two tertiary nitrogen atoms suggests use in textile processing.

	304	504	701	702	704	707	904	908
Physical Form	Liquid	Liquid	Liquid	Liquid	Liquid	Flake	Paste	Flake
Specific Gravity 25/25° C.	1.06	1.04	1.02	1.03	1.04	—	1.04	—
Viscosity at 25° C., cps.	450	800	575	770	850	—	—	—
Pour Point, °C.	—	7	−21	−7	18	—	29	—
Melting Point, °C.	—	—	—	—	—	49	—	58

WYANDOTTE DEVELOPMENT CHEMICALS . . . *materials that suggest varied new uses*

PIPERAZINES AND PYRAZINES

The methylpyrazines and methylpiperazines have a wide range of possible applications as urethane catalysts, or corrosion inhibitors in polymers, resins, rubber accelerators, pesticides, pharmaceuticals, and as specialized solvents and intermediates.

Wyandotte is also developing a series of aminoethers. These compounds — mono- and di(methoxyethyl)amine, mono- and di(ethoxyethyl)amine, methoxyisopropylamine, and other homologs — along with dimethylmorpholine open up new possibilities for materials with unusual properties in amine chemistry. While they have boiling points, viscosities, and densities similar to the related aliphatic amines, the base strengths and solubilities are similar to alkanolamines.

	2-methyl pyrazine	2, 5-dimethyl pyrazine	2-methyl piperazine	2, 5-dimethyl piperazine	1, 2, 4-trimethyl-piperazine
Empirical Formula	$C_5H_6N_2$	$C_6H_8N_2$	$C_5H_{12}N_2$	$C_6H_{14}N_2$	$C_7H_{16}N_2$
Atm. B.P., °C.	133	154	156	162°, 165°°	151
Melting Pt., °C.	−29	15	66	118°, 18°°	−44
Sp. Gr., 25/25° C.	1.022	0.987	—	0.920°°	0.851
Refractive Index, n_D^{20}	1.5042	1.4994	—	—	1.4480
Flash Point (Open Cup), °C.	50	64	73	—	125
Sat. Aqueous Sol., 25°C.	miscible	miscible	78%	53%°, miscible°°	miscible

°Trans Isomer °°Cis Isomer

QUADROL® — N, N, N′, N′ — tetrakis (2-hydroxypropyl) ethylenediamine — a viscous, water-white liquid that is infinitely soluble in water and soluble in ethyl alcohol, toluene, ethylene glycol, and perchloroethylene. In urethane foams, Quadrol has proved to be a very reactive cross-linking agent and catalyst. Other suggested uses: epoxy resin curing, metal complexes, intermediate.

PLURACOL V-10, a high molecular weight polyoxalkylene polyol offering an outstanding combination of properties for use as the thickening agent in glycol-water type, fire-resistant hydraulic fluids . . . high viscosity, excellent viscosity control, and exceptional heat stability. Pluracol V-10 also acts as a lubricant for hydraulic-system circulation pumps.

	PRODUCT	GRADES AVAILABLE	SHIPPING INFORMATION
INORGANIC	BICARBONATE OF SODA	Better Blend Soda®; Powdered*; Granular*; Extra Fine*; Industrial.	Bag, barrels or bags in boxcars or truck.
	CALCIUM CARBONATE PRECIPITATED ... PURECAL®	Purecal M (fine)*; Purecal O (fine)*; Purecal SC (ultra-fine-coated); Purecal T (ultra-fine)*; Purecal U (ultra-fine).*	Bagged, in boxcars, truck, bulk-hopper cars.
	CALCIUM CHLORIDE	Flake (77-80%), Pellet (94-97%), Lump, Anhydrous, Liquor.	Bags, steel drums in boxcars or trucks. Liquor—tank cars or tank trucks. Bulk: Flake and pellet—hopper cars, tank cars, or dump trucks.
	CAUSTIC SODA	Available in the following forms: 50% liquid, 73% liquid, solid, standard flake, ¼" flake, crystal, Flo-chilled® and granular.	Solid—standard non-returnable drums. Other anhydrous grades—open head non-returnable drums, both shipped in boxcars and trucks. Liquid—tank cars, tank wagons, and barges.
	CHLORINE	Liquid.	Available in 16, 30 and 55-ton tank cars.
	SODA ASH	Grades of light and dense ash—all are chemically identical, varying only in particle size.	Bag, or bulk, in boxcars, hopper cars, truck or barge.
Industrial	ANTIFREEZE	Ethylene glycol base.	4,000, 8,000, 10,000-gal. tank cars; tank trucks. Private label in quart and gallon cans and 55-gal. drums.
		Methanol base.	Private label in quart and gallon cans and 55-gal. drums.
	CARBOSE®	Grades of sodium carboxymethylcellulose, for detergency promotion, paint, paper and textile coatings, drilling muds and other industrial applications.	Leverpak, non-returnable drums and bags by boxcar or truck.
	DICHLOROETHYL ETHER	Industrial grade.	55-gal. drums; 4,000, 8,000 and 10,000-gal. tank cars; tank trucks.
	DIETHYLENE GLYCOL	Industrial and Udex Grades	
	ETHYLENE DICHLORIDE	Industrial grade.	
	ETHYLENE GLYCOL	Industrial and low-conductivity grades.	
	ETHYLENE OXIDE	Industrial grade.	4,000, 11,000 and 20,000-gal. tank cars.
	HALANE®	A dry chlorine-liberating compound—dichlorodimethyl-hydantoin.	25 and 200-lb. leverpak drums by boxcar and truck.
	PLURACOL® E (POLYETHYLENE GLYCOLS)	E200, E300, E400*, E600.	5 and 55-gal. drums, 4,000, 8,000 and 10,000-gal. tank cars, tank trucks.
		E1000, E1500, E Blend 500, E2000, E4000*, E6000.	E Blend 500, E1000, E1500 shipped in 55-gal. drums, 4,000, 8,000 and 10,000-gal. tank cars, tank trucks. E2000, E4000, E6000 shipped in paper bags.
	PLURACOL® P (POLYPROPYLENE GLYCOLS)	P410, P710, P1010, P2010.	Shipped in 5 and 55-gal. drums, 4,000, 8,000 and 10,000-gal. tank cars, tank trucks.
	PROPYLENE DICHLORIDE	Industrial grade.	55-gal. drums and 4,000, 8,000 and 10,000-gal. tank cars and tank trucks.
	PROPYLENE GLYCOL	USP and Industrial grades.	
	PROPYLENE OXIDE	Industrial grade.	55-gal. drums, 4,000, 11,000 and 20,000-gal. tank cars.
	PLURONIC®	100% active nonionic surfactants. Available in liquid, paste, flake, powder and solid forms.	5, 15 and 55-gal. steel drums, 21½ and 55-gal. leverpak drums by boxcars and trucks. 4,000, 8,000 and 10,000-gal. tank cars, tank trucks where practical.
	TETRONIC®		
	QUADROL®	[N,N,N',N'—tetrakis (2-hydroxypropyl) ethylenediamine]	5, 15, 55-gal. drums
	MONOLENE®	[N—(2-hydroxypropyl) ethylenediamine]	
	2,5-DIMETHYLPIPERAZINE	cis-isomer, trans-isomer, mixed cis and trans-isomers.	5, 15, 55-gal. steel drums.
	2-METHYLPIPERAZINE	98% minimum assay.	
	2-METHYLPYRAZINE		
	2,5-DIMETHYLPYRAZINE		
	PLURACOL® V10 POLYOL	Thickeners for water-glycol fire resistant hydraulic fluids.	
ORGANIC Urethane DIOLS	PLURACOL® P (POLYOXYPROPYLENE DERIVATIVES OF PROPYLENE GLYCOL)	P410, P710, P1010, P2010.	5, 15, 55-gal. drums, tank cars of 4,000, 8,000 and 10,000-gal. capacity, tank trucks where practical.
	PLURONIC® (POLYOXYALKYLENE DERIVATIVES OF PROPYLENE GLYCOL)	L31, L35, L61 I, L61 II, L81.	
TRIOLS	PLURACOL® GP (POLYOXYPROPYLENE DERIVATIVE OF GLYCEROL)	GP 3030.	
	PLURACOL® TP (POLYOXYPROPYLENE DERIVATIVES OF TRIMETHYLOLPROPANE)	TP 340, TP 440, TP 740, TP 1540, TP 2540, TP 4040.	
	PLURACOL® TPE (POLYOXYALKYLENE DERIVATIVE OF TRIMETHYLOLPROPANE)	TPE 4542.	
TETROLS	PLURACOL® PeP (POLYOXYPROPYLENE DERIVATIVES OF PENTAERYTHRITOL)	PeP 450, PeP 550, PeP 650.	
	TETRONIC® (POLYOXYALKYLENE DERIVATIVES OF ETHYLENEDIAMINE)	T 701 I, T 701 II, T 901.	
	QUADROL®	[N,N,N',N'—tetrakis (2-hydroxypropyl) ethylenediamine]	
HEXOLS	PLURACOL® SP (POLYOXYPROPYLENE DERIVATIVES OF SORBITOL)	SP 540, SP 760.	
CATALYSTS	"DHP-MP"—1,4-BIS (2-HYDROXYPROPYL) 2-METHYLPIPERAZINE	97% minimum assay.	5, 15, 55-gal. steel drums.
	1,2,4-TRIMETHYL PIPERAZINE	Moderate catalyst for urethane reactions.	

These products are manufactured and sold by the M. A. Division of Wyandotte Chemicals Corporation. For detailed information please write: Technical Inquiry Section, Wyandotte Chemicals Corporation, M. A. Division, Wyandotte, Michigan.

*Conforms with U.S.P. XVI Standards.

Litho in U.S.A.
Form No. 117

can these properties solve your process problems?

Do you need USP or NF vehicles because your plastics come in contact with food? Are you looking for plastic films with improved toughness and flexibility...or stabilizers for clear formulations? How about a stabilized catalyst for urethane foams? These chemicals from the Witco Group may have the answer to your problem.
For further information write to Technical Service Dept. P-710.

from Sonneborn

WHITE OILS· Sonneborn's USP White Oils function as compressor lubricant, catalyst carrier, plasticizer, dust-reducing agent, colorant vehicle, internal lubricant, mold release and annealing agent. Write for bulletin: White Mineral Oil For Use In The Plastics Industry.



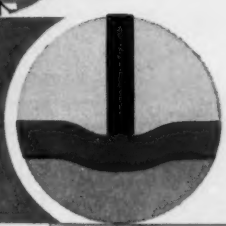
from Witco

METALLIC STEARATES· Choose mold release agents and internal lubricants from the broadest line of stearates available in the U.S. Witco stearates promote smooth processing, facilitate extrusions, increase flow rate into molds and gel PVC plastisols.



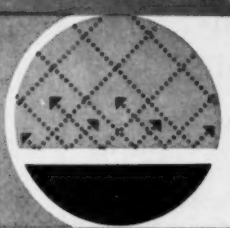
from Witco

ESTER TYPE PLASTICIZERS· Esters of fatty acids and dibasic acids for use as plasticizers and mold release agents; impart flexibility and surface lubricity to finished products; and facilitate easy processing.



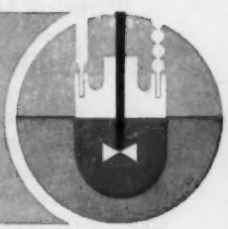
from Witco

STAYRITE® VINYL STABILIZERS· Heat and light resistant properties of Stayrites® counteract degradation effects in clear and opaque PVC formulations. A broad selection of stabilizers and synergists are available.



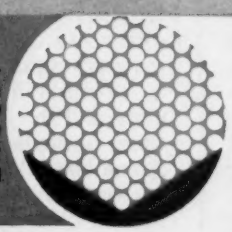
from Witco

PHTHALIC ANHYDRIDE· Used in manufacturing plasticizers, unsaturated polyesters and alkyd molding compounds, phthalic contributes toughness and durability to finished products. As a curing agent for epoxy resins it also increases pot life.



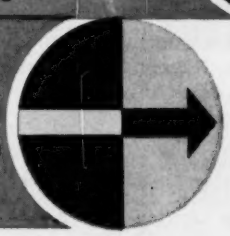
from Witco

CHEMICALS FOR URETHANES· For uniform cell structure, easy processing and foam reproducibility look into Fomrez® polyether and polyester resins, Formrez® resin for urethane elastomers, Fomrez C-2 stabilized stannous octoate catalyst and Witco 77-86 coupling agent.



from Witco-Continental

CARBON BLACK· Witcoblaks® are effective pigments and fillers for most resins. In PE they provide stabilizing action against the effects of sunlight and weathering.

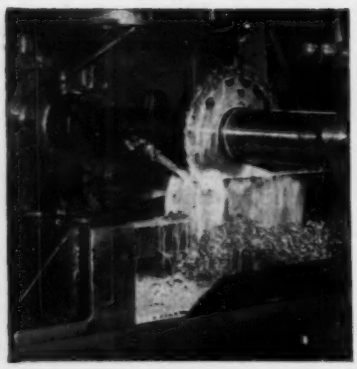


SONNEBORN CHEMICAL AND REFINING CORP.
Division of Witco Chemical Company, Inc.

WITCO CHEMICAL COMPANY, INC.
122 EAST 42nd STREET
NEW YORK 17, NEW YORK

From the
Witco Group

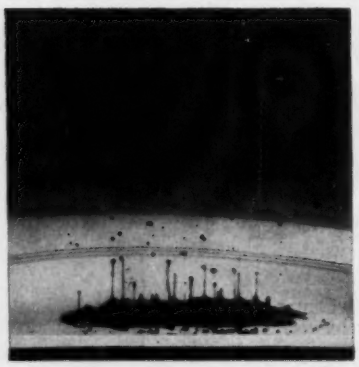
the broadest line of anionic surface-active agents in America



Sonneborn Chemical and Refining Corporation

Petroleum Sulfonates

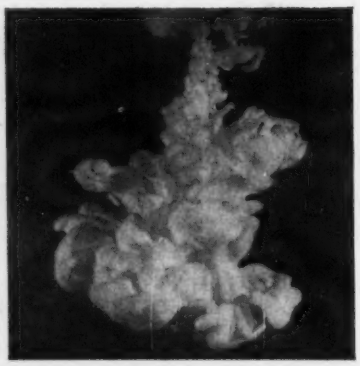
Petronates®: a full line of oil- and water-soluble surfactants whose properties as wetting, dispersing and emulsifying agents and rust inhibitors give them wide use as lube oil, fuel oil and gasoline additives, and in manufacturing such products as drilling muds, dry cleaning soaps, cutting oils, metal degreasers, rust preventives and textile and leather processing oils. Available as sodium, calcium, barium, magnesium and ashless salts. Other Surfactants: Oxidized hydrocarbons for use as rust preventives and emulsifiers.



Ultra Chemical Works

Alkyl Aryl Sulfonates

Sulframins®: basic surface-active agents for the manufacture of detergents and cleaning compounds for industrial, institutional and domestic use...and for a variety of other industrial applications such as air-entraining agents for concrete and for gypsum wallboard. Other Surfactants: Hydrotropes—xylene and toluene sulfonates for use as solubilizing and coupling agents; Ultrapoles®—conventional alkanolamine condensates and superamides; Neopones®—nonionics for various detergent tasks.



Organic Chemicals Division

Oil Soluble Salts of Dodecylbenzene Sulfonic Acid

Emcols: emulsifiers for oil/water and water/oil systems; wetting agents; detergents for hydrocarbon solvent systems; salt tolerant anionics for emulsifying solvents in high salt content aqueous solutions. Other Surfactants: fatty-acid esters, quaternary ammonium compounds, fatty-acid amides; alkanolamine condensates for such products as shampoos, lotions, creams and other cosmetics, specialty cleaning compounds, industrial emulsifiers, and industrial processing.

The organizations whose products are listed above are all subsidiaries and divisions of Witco Chemical Company, Inc. Together they represent sources for a unique range of surface-active products for industrial, agricultural and domestic applications. Further information on each group of products is available in our brochures:

Please indicate which meets with your interest—we will be happy to forward it immediately.

- ▶ "Sonneborn Purified Petroleum Sulfonates,"
- ▶ "Ultra Surface Active Agents and Their Applications,"
- ▶ "Emcol Surface Active Agents."

WITCO CHEMICAL COMPANY, INC., Dept. S 510, 122 East 42nd St., New York 17, N.Y.

CHEMICALS, RAW MATERIALS and SPECIALTIES

See Chemicals Company Directory (pp. 6-26) for addresses, telephone numbers and branches.
See page 2 for explanation of symbols and arrangement.

A

ABIETIC ANHYDRIDE see Rosin, Gum

ABIETINIC ACID see Acid, Abietic

ABRASIVES

►BERKSHIRE CHEMS INC
Charles B Chrystal Co
►JOHNS-MANVILLE (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Tamms Industries (P)
►TITANIUM ALLOY MFG DIV (P)
Whittaker, Clark & Daniels

Armour Alliance Industries (P)
Composition Materials Co (P)
Edgar Plastic Kaolin Co (P)
Exolon Co (P)
Illinois Minerals Co (P)
Kenite Corp (P)
Linde Co (P)
Macklin Co (P)
Pennsylvania Glass Sand Corp (P)

ABSORBENTS, ACID, GAS

►ALLIED CHEM CORP, NITROGEN DIV (P)
►DAVISON CHEM DIV (P)
Dow Chem Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►JEFFERSON CHEM CO (P)
►JOHNS-MANVILLE (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)

Barium & Chems (P)
Bio-Rad Labs (P)
Dewey & Almy Chem Div (P)
Filtrol Corp (P)
Thomas A Edison Industries, Medical Gas Div (P)
W A Hammond Drierite (P)
Kenite Corp (P)

ABSORBENTS, OIL & GREASE

American Oil & Supply Co (P)
Charles B Chrystal Co
Floridin Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►JOHNS-MANVILLE (P)
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
►MINERALS & CHEMS PHILIPP CORP (P)
►PEERLESS OIL & CHEM CORP
Schelle Chem Corp
Tamms Industries
Thompson-Hayward Chem Co
Western Pennsylvania Chem Co
►WYANDOTTE CHEMS CORP (P)

Amplen Corp (P)
Barson Chem Co (P)
Eagle-Picher Co (P)
Filtrol Corp (P)
Magnet Cove Barium Corp (P)
Kenite Corp (P)
National Research & Chem Co (P)
Oakite Products (P)
Socony Mobil Oil Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

ABSORBERS, ULTRAVIOLET

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Process Chems Co (P)
Sindar Corp (P)

Ciba Co (P)
Colgate-Palmolive Co (P)
Ferro Chem Div (P)
Fiber Chem Corp (P)
Fries Bros (P)
Geigy Industrial Chems (P)
Heyden Newport Chem Corp (P)
Pilot Chems, Inc (P)

ANTARA
gaf
UVINUL®
ULTRAVIOLET-
RADIATION
ABSORBERS
ANTARA CHEMICALS
A DIVISION OF
GENERAL ANILINE & FILM CORP.
435 HUDSON ST., NEW YORK 14, N. Y.
From Research to Reality

ACACIA GUM see Gum Arabic

ACCELERATORS, POLYMERIZATION

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CELANESE POLYMER CO (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Hercules Powder Co (P)
►HOOKER CHEM CORP (P)
J M Huber Corp (P)
►METAL & THERMIT CORP (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
Process Chems Co (P)
Sartomer Resins, Inc (P)
►STAUFFER CHEM CO (P)
Union Carbide Chems Co (P)

Adhesive Products Corp (P)
American Alkyd Industries of Cal (P)
Borden Chem Co (P)
Emkay Chem Co (P)
Wallace A Erickson & Co (P)
Geigy Industrial Chems (P)
Garan Chem Corp (P)
MacKenzie Chem Works (P)
Marblette Corp (P)
Naico Chem Co (P)
Scher Bros (P)
Thompson Chem Co (P)
Warwick Chem Div (P)
Xanthippe Chems (P)

ACCELERATORS, RUBBER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Oil & Supply Co (P)
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, ELASTOMERS DEPT (P)
Emery Industries (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Gates Engrg Co (P)
Harwick Standard Chem Co
Hercules Powder Co (P)
J M Huber Corp (P)
International Solving Corp
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)
Joseph Turner & Co
►WITCO CHEM CO (P)

Adhesive Products Corp (P)
Alco Oil & Chem Corp (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Darlington Chems (P)
Geigy Industrial Chems (P)
General Latex & Chem Corp (P)
Goodyear Tire & Rubber Co, Chem Div (P)
General Tire & Rubber (P)
Heyden Newport Chem Corp (P)
Imperial Adhesives (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Naico Chem Co (P)
Naugatuck Chem Div (P)
Rare Metal Products Co (P)
US Peroxygen Corp (P)
R T Vanderbilt Co (P)

ACENAPHTHENE

Aldrich Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp
Henley & Co
►KOPPERS CO, TAR PRODUCTS DIV (P)

See company directory for addresses

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Chicago (Skokie), Ill.—IRving 8-2771
Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Greensboro, N. C.—BRoadway 5-9517
Houston, Texas—JAckson 6-3981
Kansas City, Mo.—LOgan 1-7268
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—ORegon 9-1820
Philadelphia (Fort Washington), Pa.—CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
Wilson & Geo. Meyer & Company
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—EMpire 3-3943

Eastman
CHEMICAL PRODUCTS, INC.
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

ACERDOL see Calcium Permanganate

ACETAL (Diethylacetal)
►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE POLYMER CO (P)
Fisher Scientific Co
Fritzsche Bros (P)
Shawinigan Resins Corp (P)

ACETALDEHYDE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►EASTMAN CHEM PRODUCTS (P)
Fritzsche Bros
Hercules Powder Co (P)
Mallinckrodt Chem Works (P)
Mercury Chem Corp (P)
Publicker Industries (P)
Union Carbide Chems Co (P)
Eastern States Petroleum & Chem Corp (P)
Shawinigan Products Corp (P)

ACETALDEHYDE AMMONIA see Aldehyde Ammonia

ACETALDOL see Aldol

ACETAMIDE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
Mallinckrodt Chem Works (P)
Clinical Chems Corp (P)

ACETAMIDINE HYDROCHLORIDE
►BENZOL PRODUCTS CO (P)
Merck Chem Div (P)
Brothers Chem Co (P)
Kaplop Labs (P)

p-ACETAMIDOBENZALDEHYDE
Aldrich Chem Co (P)
Eastern Chem Corp (P)
Polychemical Labs (P)

ACETAMINOPHENOL see N-Acetyl-p-Aminophenol

ACETANILIDE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemical Products Div, Chemetron Corp (P)
►EASTMAN CHEM PRODUCTS (P)
Fisher Scientific Co (P)
Heisey & Co
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Sherwin-Williams Co (P)
George Uhe Co

ACETATE OF LIME see Calcium Acetate

ACETIC ANHYDRIDE (Acetic Oxide, Acetyl Oxide)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Mineral Spirits Co
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
Chemical Affiliates (P)
►CHEMICAL SOLVENTS, INC
►EASTMAN CHEM PRODUCTS (P)
Fisher Scientific Co (P)
Hercules Powder Co (P)
J F Henry Chem Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
J U Starkweather Co
Union Carbide Chems Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

A MAJOR NEW SOURCE OF SUPPLY FOR:

- ACETIC ANHYDRIDE
- ACETIC ACID
- NITRIC ACID
- DIMETHYL ETHER

MERCURY

MERCURY CHEMICAL CORP.
Dept. CW-1, Rt. 1, Metuchen, N. J.
LIberty 8-1540

ACETIC ANHYDRIDE? Call EASTMAN!

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Boston (Framingham), Mass.—TRinity 2-6541
Buffalo, N. Y.—TF 9-3252
Chicago (Skokie), Ill.—IRving 8-2771
Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Greensboro, N. C.—BRoadway 5-9517
Houston, Texas—JAckson 6-3981
Kansas City, Mo.—LOgan 1-7268
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—ORegon 9-1820
Philadelphia (Fort Washington), Pa.—CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
Wilson & Geo. Meyer & Company
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—EMpire 3-3943

Eastman
CHEMICAL PRODUCTS, INC.
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

ENJAY

ACETONE

For typical inspection and applications see ENJAY products brochure in this issue. Write or phone for further information.

ENJAY CHEMICAL COMPANY
A DIVISION OF HUMBLE OIL & REFINING COMPANY
15 W. 51st St., New York 19, N.Y.

Washing Chem Corp
Shawinigan Products Corp (P)

ACETIC OXIDE see Acetic Anhydride

ACETIN (Monoacetin, Glyceryl Monoacetate)
►ACETO CHEM CO
Kessler Chem Co (P)

ACETOACETANILIDE (Acetylacetanilide)
►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemical Products Div, Chemetron Corp (P)
Gallard-Schlesinger Chem Mfg Corp
Hostachem Corp
Union Carbide Chems Co (P)
FMC Corp, Chems & Plastics Div (P)

ACETOACET-o-ANISIDIDE
►ACETO CHEM CO
Hostachem Co
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Union Carbide Chems Co (P)

ACETOACETARYLAMIDES
►ACETO CHEM CO (P)
Aldrich Chem Co (P)
Union Carbide Chems Co (P)

ACETOACET-o-CHLORANILIDE
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Union Carbide Chems Co (P)
FMC Corp, Chems & Plastics Div (P)

ACETOACET-p-CHLORANILIDE
►ACETO CHEM CO (P)
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACETOACETIC ESTER see Ethyl Acetoacetate

ACETOACET-p-PHENETIDIDE
►ACETO CHEM CO (P)
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Union Carbide Chems Co (P)

ACETOACET-o-TOLUIDIDE
►ACETO CHEM CO
Hostachem Corp
Union Carbide Chems Co (P)
FMC Corp, Chems & Plastics Div (P)

ACETOACET-m-XYLIDIDE
►ACETO CHEM CO
Gallard-Schlesinger Chem Mfg Corp
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACETOIN see Acetyl Methyl Carbinol

ACETOL (Hydroxyacetone; Acetyl Carbinol; Acetonyl Alcohol)
K & K Labs (P)

ACETOL ACETATE
American Cyanamid Co, Fine Chems Dept (P)

ACETONE (Dimethylketal, Dimethylketone, Ketopropane, Pyroacetic Ether, Methylacetyl, 2-Propanone)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
American Oil & Supply Co
►J T BAKER CHEM CO (P)
R J Brown Co
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Fisher Scientific Co (P)
Hercules Powder Co (P)
Howe & French
Chas L Huisking & Co
►JONES CHEMS, INC
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►MONSANTO CHEM CO (P)
Roberts Chems, Inc (P)

ACID, 8-AMINO-1-NAPHTHOL-5,7-DISULFONIC (Chicago Acid; SS Acid; 1-Amino-8-Naphthol-2,4-Disulfonic Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-AMINO-2-NAPHTHOL-4-SULFONIC (1,2,4-Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Andor Labs (P)
Peerless Color Co (P)
Matheson Coleman & Bell (P)

ACID, 6-AMINO-1-NAPHTHOL-3-SULFONIC (J Acid; 2-Amino-5-Naphthol-7-Sulfonic Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 7-AMINO-1-NAPHTHOL-3-SULFONIC (Gamma Acid; 2-Amino-8-Naphthol-6-Sulfonic Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 8-AMINO-1-NAPHTHOL-5-SULFONIC (S Acid; 1-Amino-8-Naphthol-4-Sulfonic Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, o-AMINOPHENOL-p-SULFONIC
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Carwin Co (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, p-AMINOPHENYLARSENIC see Acid, Arsanilic

ACID, 4-AMINOSALICYLIC
Aldrich Chem Co (P)
Industrial Chem & Dye Co
►MILES CHEM CO (P)
George Uhe Co
Roselle Labs (P)

ACID, 5-AMINOSALICYLIC
Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)

ACID, 1-AMINOSUCCINAMIC see Asparagine

ACID, α-AMINO-n-VALERIC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

ACID, p-ANILINESULFONIC see Acid, Sulfanilic

ACID, 7-ANILINO-1-NAPHTHOL-3-SULFONIC (Phenyl Gamma Acid; Phenyl-2-Amino-8-Naphthol-6-Sulfonic Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Verona-Pharma Chem Corp (P)

ACID, ANISIC (Methoxybenzoic Acid, Umbellic Acid, Dragonic Acid, Methyl-p-Oxybenzoic Acid)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Heyden Newport Chem Corp (P)

ACID, ANTHRANILIC (o-Aminobenzoic Acid)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Carwin Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►R W GREEFF & CO
Maumee Chem Co (P)
Riches-Nelson, Inc
George Uhe Co
Ciba Co (P)

ACID, ANTHRAQUINONE-2-CARBOXYLIC
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)

ACID, ANTHRAQUINONIC see Alizarin

ACID, ANTIMONIC see Antimony Pentoxide

ACID, ANTIMONOUS, ANHYDROUS see Antimony Trioxide

ACID, APPLE see Acid, Malic

ACID, ARACHIDIC (Arachic Acid; Eicosanoic Acid)
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Archer-Daniels-Midland Co (P)
Sapon Labs (P)

ACID, ARSANILIC (Atoxylic Acid, p-Amino-phenylarsenic Acid, Arsenic Acid Anilide)
Abbott Labs (P)
►BAIRD CHEM INDUSTRIES, INC
►R W GREEFF & CO
►McKESSON & ROBBINS, CHEM DEPT
Roselle Labs (P)
Whitmoyer Labs (P)

ACID, ARSENIC (Arsenic Pentoxide, o-Arsenic Acid)
►J T BAKER CHEM CO (P)
Chemical Affiliates
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
Pennsalt Chems Corp (P)
Republic Chem Corp
Sherwin-Williams Co (P)
Los Angeles Chem Co (P)
Ortho Div (P)

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ACID, ARSENIC, ANHYDRIDE see Arsenic Pentoxide

ACID, ARSENIOUS see Arsenic Trioxide

ACID, ASCORBIC

Biddle Sawyer Corp
Browning Chem Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Century Chem Corp
Industrial Chem & Dye Co (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT (P)
Merck Chem Div (P)
►NOPCO CHEM CO
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co
Vitamins, Inc
Hoffmann-La Roche (P) Roselle Labs (P)

ACID, ASCORBIC, COATED

Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Hoffmann-La Roche (P)

ACID, ASPARTIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pfanstiehl Labs (P)
Borden Chem Co (P) Foremost Food & Chem Co
Polychemical Labs (P) (P)

ACID, AZELAIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Wallach-Gracer Export Corp

ACID, BARBITURIC (Malonyl Urea, Pyrimidinetrione)

►ABBOTT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►ELI LILLY & CO, ELANCO DIV (P)
►KAY-FRIES CHEMS (P)
Biorganic Labs (P) Roselle Labs (P)

ACID, BATTERY see Acid, Electrolyte

ACID, BEHENIC

►ACETO CHEM CO
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Archer-Daniels-Midland Co (P) Woburn Chem Corp (P)

ACID, BENZENE-m-DISULFONIC

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACID, BENZENESULFONIC

►CONTINENTAL OIL CO (P)
►MONSANTO CHEM CO (P)
Nease Chem Co (P)
Oronite Div (P)
United States Pipe & Foundry Co (P)
Pilot Chem Co of California (P)

ACID, BENZILIC (Diphenylglycolic Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Heyden Newport Chem Corp (P) B L Lemke & Co (P)

ACID, BENZOIC (Phenylformic Acid, Benzenecarboxylic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Carus Chem Co (P)
►HARSHAW CHEM CO
J F Henry Chem Co
►HOOKER CHEM CORP (P)

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Chromic
Fluoboric
Fluosulfonic
Formic, 98-100%
Hydriodic
Hydrobromic
Hydrochloric (C. P.)
Hydrofluoric
Hydrofluosilicic
Hydrophosphorous
Iodic
Lactic
Molybdic
Monochloracetic
Nitric (C. P.)
Nitric, Fuming
Nitric, Red Fuming
Oxalic
Perchloric
Phosphomolybdic
Phosphoric, Meta
Phosphoric, Anhydride
Phosphoric, Ortho
Phosphorous
Phosphotungstic
Phthalic, Anhydride
Picric
Pyrogallic
Salicylic
Silicic
Silico-Tungstic
Succinic
Sulfanilic
Sulfuric (C. P.)
Sulfuric, Fuming
Sulfurous
Tannic, Light
Trichloroacetic

Allied Chemical
GENERAL CHEMICAL DIVISION
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Sulfonates 0.7%
Hydrocarbons, Water, etc. 0.9%

ISOMER DISTRIBUTION
(Total TSA basis)

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o-TSA 4%
m-TSA ..... Nil

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55 gallon tight head drums
575 pounds

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ACID, BENZOIC (continued)

Kelker Chem Corp (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV
►TENNESSEE PRODUCTS & CHEM CORP (P)
George Uhe Co
Charles A Wagner Co

Eastern States Petroleum & Chem Corp (P)
Heyden Newport Chem Corp (P)

ACID, BENZOPHENONE DICARBOXYLIC

ACID, β-BENZOYLACRYLIC

K & K Labs (P)

ACID, BORIC (Boracic Acid, o-Boric Acid, Fumarole Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►J T BAKER CHEM CO (P)
Chemical Affiliates (P)
Croton Chem Corp
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Howe & French
Philip A Hunt Co
Independent Chem Corp
►JONES CHEMS, INC
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
E M Sergeant Pulp & Chem Co
J U Starkweather Co
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
U S Borax (P)

ACIDS, BORIC, ALKYL

Callery Chem Co (P)

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ACID, BORIC, ANHYDROUS see Boric Anhydride

ACID, BORIC, DODECYL

Callery Chem Co (P)

ACID, BORIC, NONYL

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

Callery Chem Co (P)

ACID, BOROFLUOHYDRIC see Acid, Fluoboric

ACID, BOROPHOSPHORIC

►VICTOR CHEM WORKS (P)

Andor Labs (P)
Xanthippe Chems (P)

ACID, BOROTUNGSTIC

Var-Lac-Old Chem Co (P)

Xanthippe Chems (P)

ACID, BROENNER'S see Acid, 2-Naphthylamine-6-Sulfonic

ACID, BROMOACETIC

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)

Andor Labs (P)
Hukill Chem Corp (P)

ACID, α-BROMOBUTYRIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
K & K Labs (P)
Eastern Chem Corp (P)

Carwin Co (P)

ACID, β-BROMOPROPIONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

ACID, 5-BROMOSALICYLIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)

ACID, BUTYL ETHYL BARBITURIC

►BENZYL PRODUCTS CO (P)
Gane's Chem Works (P)

ACID, n-BUTYRIC (Ethylacetic Acid, Butanoic Acid, Propylformic Acid)

Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►EASTMAN CHEM PRODUCTS (P)
Florasynth Labs
Fritzsche Bros
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

ACID, CACODYLIC (Dimethyl Arsenic Acid, Kakodylic Acid)

Ansul Chem Co (P)

Arenol Chem Corp (P)
Polychemical Labs (P)
Edcan Labs (P)

ACID, CALCIUM PHOSPHATE see Calcium Phosphate, Monobasic

ACID, CAMPHORIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)
►R W GREEFF & CO
RSA CORP (P)

Polychemical Labs (P)

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ACID, CAMPHORSULFONIC

Fine Organics (P)
Polychemical Labs (P)

ACID, CAPRIC (Decanoic Acid, Decatoic Acid, Decoic Acid, Decylic Acid)

Applied Science Labs (P)
Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Industrial Raw Materials Corp
Lever Bros Co (P)
Foremost Food & Chem Co (P)
E F Drew & Co (P)

ACID, n-CAPROIC (Hexanoic Acid)

►ACETO CHEM CO
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
►TRUBEK LABS (P)
E F Drew & Co (P)

ACID, CAPRYLIC (Hexylacetic Acid, Octanoic Acid, Octoic Acid, Octylic Acid, Octic Acid)

Applied Science Labs (P)
Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Industrial Raw Materials Corp
Lever Bros Co (P)
M Michel & Co
Foremost Food & Chem Co (P)
E F Drew & Co (P)

ACIDS, CARBAMIC

►MONSANTO CHEM CO (P)

ACID, CARBAMIDE PHOSPHORIC

E & F King & Co
►VICTOR CHEM WORKS (P)

ACID, CARBOXYMETHYLMERCAPTO-SUCCINIC

►EVANS CHEMETICS (P)

ACID, CARMINIC

Eastern Chem Corp (P)
Hartman-Leddon Co (P)

ACID, CASSELLA see Acid, 2-Naphthylamine-4,8-Disulfonic

ACID, CHICAGO see Acid, 8-Amino-1-Naphthol-5,7-Disulfonic

ACID, CHLORANILIC

Eastern Chem Corp (P)
Hartman-Leddon Co (P)
Matheson Coleman & Bell (P)

ACID, CHLORENDIC

►HOOKER CHEM CORP (P)

ACID, CHLORIDES

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Diamond Alkali Co (P)
Eastern Chem Corp (P)
►HOOKER CHEM CORP (P)
►MONSANTO CHEM CO (P)
E F Drew & Co (P)
Fries Bros (P)

ACID, CHLOROACETIC (Monochloroacetic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Hercules Powder Co (P)
Hostachem Corp
International Selling Corp
Mallinckrodt Chem Works (P)
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Shawinigan Products Corp (P)

ACID, 2-CHLORO-4-AMINOTOLUENE-5-SULFONIC

Sherwin-Williams Co (P)
Holland Color & Chem Co (P)

ACID, 2-CHLORO-5-AMINOTOLUENE-4-SULFONIC

Sherwin-Williams Co (P)
Holland Color & Chem Co (P)
Standard Ultramarine & Color Co (P)

ACID, CHLOROBENZENE SULFONIC

Antara Chems Div (P)
Hukill Chem Corp (P)
Montrose Chem Co (P)

ACID, m-CHLOROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

ACID,-o-CHLOROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Heyden Newport Chem Corp (P)

ACID, p-CHLOROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Riches-Nelson, Inc
Heyden Newport Chem Corp (P)

ACID, CHLOROHYDRIC see Acid, Muriatic

ACID, p-CHLOROMERCURIPHENYL SULFONIC

Metalsalts Corp (P)

ACID, 2-CHLORO-4-NITROBENZOIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Eastern Chem Corp (P)
RSA Corp (P)

ACID, p-CHLOROPHENOXYACETIC

►ACETO CHEM CO (P)
Amchem Products (P)

ACID, CHLOROPLATINIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Goldsmith Bros Div (P)
Mallinckrodt Chem Works (P)
J Bishop & Co Platinum Works (P)
Metals & Controls Inc (P)
Chemical Commerce (P)
Bram Metallurgical-Chem Co (P)
Englehard Industries (P)

ACID, CHLOROSULFURIC see Sulfuryl Chloride

ACID, CHLOROSULFONIC (Sulfuric Chlorohydrin)

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►MONSANTO CHEM CO (P)
Tennessee Corp (P)

ACID, CHOLIC (Glycocholic Acid)

►R W GREEFF & CO
Drug Processors (P)
Wilson Labs (P)

ACID, CHROMIC (Chromic Anhydride, Chromium Trioxide)

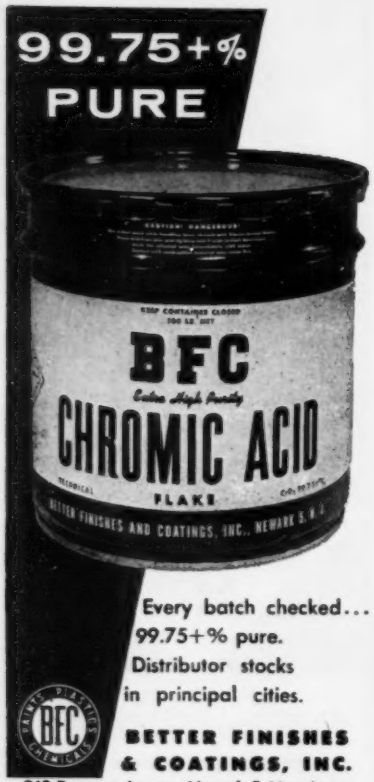
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E & F King & Co
Kraft Chem Co
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►METAL & THERMIT CORP (P)
J U Starkweather Co
Thompson-Hayward Chem Co
Joseph Turner & Co
Fiber Chem Corp (P) McGean Chem Co (P)

ACID, CINNAMIC

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
►R W GREEFF & CO

ACID, CITRACONIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

ACID, CITRIC (β-Hydroxytricarballylic Acid; 2-Hydroxy-1,2,3-Propane Tricarboxylic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Bzura Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Globe Chem Co
Howe & French
Philip A Hunt Co
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div
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ACID, CLEVE'S see Acid, 1-Naphthylamine-6- and 7-Sulfonic

ACID, COCONUT

Armour Industrial Chem Co (P)
Emery Industries
►HUMKO PRODUCTS CHEM DIV (P)
Lever Brothers Co (P)
Welch, Holme & Clark Co
►WILSON-MARTIN (DIV WILSON & CO) (P)
Archer-Daniels-Midland Co (P)
Capital City Products Co (P)
E F Drew & Co (P)
Foremost Food & Chem Co (P)

ACID, o-CRESOTIC

Dow Chem Co (P)

ACID, CRESOTINIC see Acid, o-Cresotic

ACID, CRESYLIC (Cresyl; p-Cresylol; Methyl Phenol)

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
►BAIRD CHEM INDUSTRIES, INC
H J Baker & Bro
Browning Chem Corp
Concord Chem Co (P)
Fallek Chem Corp
Mercer Chem Co
M W Hardy & Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT.
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Millmaster Chem Corp
Oronite Div (P)
►PEERLESS OIL & CHEM CORP
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(Continued)

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ACID, CRESYLIC (continued)

Productol Co (P)
Reilly Tar & Chem Corp (P)
Republic Chem Corp
J U Starkweather Co
Tar Residuals
Thompson-Hayward Chem Co
Trio Chem Works

Atlantic Refining Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products (P)
Jefferson Lake Sulphur Co, Merichem Div (P)
Northwest Petrochem Corp (P)
Pitt-Consol Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)

ACID, CROTONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►EASTMAN CHEM PRODUCTS (P)
Hestachem Corp

ACID, CYANOACETIC

Browning Chem Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)

ACID, 1,2,CYCLOBUTANEDICARBOXYLIC (Ethylenesuccinic Acid)

Aldrich Chem Co (P)
K & K Labs (P)

Kaplop Labs (P)

ACID, CYCLOHEXANECARBOXYLIC see Acids, Naphthenic

ACID, CYCLOHEXYLPROPIONIC

K & K Labs (P)

ACID, CYCLOPENTYLPROPIONIC

Arapahoe Chems (P)
Millmaster Chem Corp

ACID, CYCLOPROPANE CARBOXYLIC

Aldrich Chem Co (P)
Chempar Chem Co
K & K Labs (P)

Kaplop Labs (P)

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ACID, DECANEDIOIC see Acid, Sebacic

ACID, DECANOIC see Acid, Capric

ACID, DECYLIC see Acid, Capric

ACID, DEHYDROACETIC (DHA; 3-Acetyl-6-Methyl-2,4-Pyrandione)

►ACETO CHEM CO
Gane's Chem Works
RSA Corp (P)
Robeco Chems

Polychemical Labs (P)

ACID, DEHYDROCHOLIC

Alvares-Terner Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
►R W GREEFF & CO

Armour Pharmaceutical Co (P)
Drug Processors (P)
Wilson Labs (P)

ACID, DESOXYCHOLIC

Alvares-Terner Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
►R W GREEFF & CO
►MILES CHEM CO

Armour Pharmaceutical Co (P)
Drug Processors (P)
Wilson Labs (P)

ACID, DEXTRONIC see Acid, Gluconix

ACID, DIALLYLBARBITURIC (Dial)

Gane's Chem Works (P)
George Uhe Co

Biorganic Labs (P)
Polychemical Labs (P)

ACID, 4,4'-DIAMINOSTILBENE-2,2' DISULFONIC

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

Fiber Chem Corp (P)

ACID, 1-DIAZO-2-NAPHTHOL-4-SULFONIC

Antara Chems Div (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Fairmount Chem Co (P)

Peerless Color Co (P)

ACID, DICHLOROACETIC (Bichloroacetic Acid, Carboxymethyl Chloride)

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►KAY-FRIES CHEMS (P)

ACID, 2,4-DICHLOROBENZOIC

Heyden Newport Chem Corp (P)

ACID, 3,4-DICHLOROBENZOIC

Heyden Newport Chem Corp (P)

ACID, 2,4-DICHLOROPHENOXYACETIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►MONSANTO CHEM CO (P)
Thompson-Hayward Chem Co (P)

Amchem Products (P)
Chipman Chem Co (P)
Thompson Chems Corp (P)

ACID, DIETHYLACETIC see Acid, 2-Ethyl Butyric

ACID, DIGALLIC see Acid, Tannic

ACID, DIGLYCOLIC

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)

ACID, 2,4-DIHYDROXYBENZOIC see Acid, β-Resorcylic

ACID, 2,6-DIHYDROXYBENZOIC see Acid, γ-Resorcylic

ACID, 3,5-DIHYDROXYBENZOIC see Acid, α-Resorcylic

ACID, DIHYDROXYBUTANEDIOC see Acid, Tartaric

ACID, 1,8-DIHYDROXYNAPHTHALENE-3,6-DISULFONIC (Chromotropic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Verona-Pharma Chem Corp

ACID, α,β-DIHYDROXYSUCCINIC see Acid, Tartaric

ACID, 3,5-DIIODOSALICYLIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
RSA Corp (P)

Andor Labs (P)

ACID, m-DIMETHYLAMINOBENZOIC (3-Dimethylaminobenzoic Acid)

Hilton-Davis Chem Co Div (P)

ACID, DIMETHYLARSENIC see Acid, Cacodylic

ACID, β,β-DIMETHYLGLUTARIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
K & K Labs (P)
RSA Corp (P)

Kaplop Labs (P)

ACID, 3,5-DINITROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Eastern Chem Corp (P)
Fisher Chem Co

Andor Labs (P)
Gamma Chem Corp (P)
Winthrop Labs (P)

ACID, 4,4'-DINITROSTILBENE-2,2'-DISULFONIC

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)

ACID, DIPHENYLACETIC

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)

ACID, DIPHENYLAMINE SULFONIC

Eastern Chem Corp (P)

Andor Labs (P)

ACID, DIPHENYLGLYCOLIC see Acid, Benzilic

ACID, DIPICOLINIC

Aldrich Chem Co (P)

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Eastern Chem Corp (P)
Midland Tar Distillers
Electro Organic Corp (P) Nepera Chem Co (P)

ACID, DIPPING see Acid, Sulfuric

ACID, 2,2'-DITHIODIBENZOIC
Aldrich Chem Co (P)
Maumee Chem Co (P)
Riches-Nelson, Inc

ACID, DITHIOSALICYLIC
Aldrich Chem Co (P)
►R W GREEFF & CO

ACID, DODECYLBENZENE SULFONIC
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ardmore Chem Co (P)
►CONTINENTAL OIL CO (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Oronite Div (P)
Soie Chem Corp (P)
Tennessee Corp (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)
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Emkay Chem Co (P) Surfact Co, Inc (P)
Finetex Inc (P) Tanatex Chem Corp (P)
Hart Products Corp (P) Warner Chem Co Div (P)
Stepan Chem Co, Industrial Chems Div (P) Wica Chems (P)

ACID, DRAGONIC see Acid, Anisic

ACID, ELAIDIC
Aero Chem Corp (P)
Applied Science Labs (P)
Eastern Chem Corp (P)

ACID, ELECTROLYTE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►J T BAKER CHEM CO (P)
Dixon Chem & Research (P)
Dixon Chem Industries (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►HARSHAW CHEM CO
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Biockson Chems (P)
Rumford Chem Works (P)
Beacon Chem Industries (P) Central Chem Div (P)

ACID ESTERS, FATTY see Fatty Esters

ACID, ETHANEDIOIC see Acid, Oxalic

ACID, ETHANE SULFONIC
Philip J Lo Buo Co

ACID, ETHANOIC, see Acid, Acetic

ACID, ETHYLACETIC see Acid, Butyric

ACID, 2-ETHYLBUTYRIC (Diethylacetic Acid)
Union Carbide Chems Co (P)

ACID, ETHYLENE DIAMINE TETRAACETIC
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Fallek Chem Corp
Fisher Scientific Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
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Geigy Industrial Chems (P) Refined Products Co (P)
Hart Products Corp (P) Tanatex Chem Corp (P)
A R Maas Chem Co Div (P)

ACID, ETHYLENE DICARBOXYLIC see Acid, Maleic

ACID, ETHYLENESUCCINIC see Acid, 1,2-Cyclobutane Dicarboxylic

ACID, 2-ETHYLHEXOIC
►EASTMAN CHEM PRODUCTS (P)
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

ACID, 2-ETHYLHEXYL PHOSPHORIC
►VICTOR CHEM WORKS (P)
Barlow Chem Corp (P) Montrose Chem Co (P)

ACID, 5-ETHYL-5-PHENYLBARBITURIC see Phenobarbital

ACID, F see Acid, 2-Naphthol-7-Sulfonic

ACIDS, FATTY, CASTOR OIL
Baker Castor Oil Co (P)
Chempar Chem Co
Harchem Div, Wallace & Tiernan Inc (P)
►HUMKO PRODUCTS CHEM DIV (P)
Archer-Daniels-Midland Co (P) Arthur C Trask Co (P)
Woburn Chem Corp (P)
Werner G Smith, Inc (P)

ACIDS, FATTY, DISTILLED
S L Abbot Co
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Chempar Chem Co
Columbian Carbon Co
Emery Industries (P)
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ACIDS, FATTY, DISTILLED (continued)

A Gross & Co (P)
Hatco Chem Div (P)
►HUMKO PRODUCTS CHEM DIV (P)
Industrial Raw Materials Corp
George Mann & Co
M Michel & Co
William E Phillips Inc
Union Bag-Camp Paper Corp (P)
Welch, Holme & Clark Co
►WILSON-MARTIN (DIV WILSON & CO) (P)

Archer-Daniels-Midland Co (P)
Arnold, Hoffman & Co (P)
Capital City Products Co (P)
E F Drew & Co (P)
C P Hall Co (P)
Procter & Gamble Co (P)
Werner G Smith, Inc (P)
W Va Pulp & Paper, Industrial Chem Sales Div (P)
Woburn Chem Corp (P)

ACIDS, FATTY, DISTILLED, COCONUT OIL

Armour Industrial Chem Co (P)
Chempar Chem Co
Emery Industries (P)
A Gross & Co (P)
►HUMKO PRODUCTS CHEM DIV (P)
Industrial Chem & Dye Co (P)
Industrial Raw Materials Corp
M Michel & Co
William E Phillips Inc
Welch, Holme & Clark Co

Archer-Daniels-Midland Co (P)
Capital City Products (P)
Foremost Food & Chem Co (P)
E F Drew & Co (P)
C P Hall Co (P)
Procter & Gamble Co (P)
Woburn Chem Corp (P)

ACIDS, FATTY, HYDROGENATED

Armour Industrial Chem Co (P)
Chempar Chem Co
Columbian Carbon Co
Emery Industries (P)
A Gross & Co (P)
Harchem Div, Wallace & Tiernan Inc (P)
►HUMKO PRODUCTS CHEM DIV (P)
Lotte Chem Corp
M Michel & Co
William E Phillips Inc
►WILSON-MARTIN (DIV WILSON & CO) (P)

Archer-Daniels-Midland (P)
Arnold, Hoffman & Co (P)
E F Drew & Co (P)
Foremost Food & Chem Co (P)
C P Hall Co (P)
Procter & Gamble Co (P)
Werner G Smith, Inc (P)
Woburn Chem Corp (P)

ACIDS, FATTY, POLYMERIZED

Chempar Chem Co
Emery Industries (P)
William E Phillips Inc

Marine Products Co (P)

ACIDS, FATTY, TALL OIL

S L Abbot Co
Arizona Chem Co (P)
Emery Industries (P)
Hercules Powder Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Smith Chem & Color Co
Union Bag-Camp Paper Corp (P)
Welch, Holme & Clark Co

W Va Pulp & Paper, Industrial Chem Sales Div (P)
Arnold, Hoffman & Co (P)

ACIDS, FATTY, TALLOW

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Emery Industries (P)
Harchem Div, Wallace & Tiernan Inc (P)
►HUMKO PRODUCTS CHEM DIV (P)

Foremost Food & Chem Co (P)
C P Hall Co (P)
Werner G Smith, Inc (P)

ACIDS, FATTY, WOOL GREASE

Croda, Inc (P)

Arnold Hoffman & Co (P)
Lanaetex Products (P)
Malmstrom Chem Corp (P)

ACID, FLUOBORIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
►STAUFFER CHEM CO (P)

Aluminum Co of America (P)

ACIDS, FLUOROPHOSPHORIC

Ozark-Mahoning Co (P)
Xanthippe Chems (P)

ACID, FLUOSILICIC

►AMERICAN AGRICULTURAL CHEM CO
►J T BAKER CHEM CO (P)
►DAVISON CHEM DIV (P)
►HARSHAW CHEM CO (P)
International Minerals & Chem Corp
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Blockson Chems (P)
Opalco Lab
Henry Sundheimer Co
Tennessee Corp (P)

ACID, FLUOSULFONIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV (P)

Xanthippe Chems (P)

ACID, FOLIC

►AMERICAN CYANAMID CO, FINE CHEMS DEPT (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
Industrial Chem & Dye Co
Kolon Trading Co
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Vitamins, Inc

Biorganic Labs, Inc (P)
Roselle Labs (P)
R P Scherer Corp (P)

ACID, FORMIC (Hydrogen Carboxylic Acid, Methanoic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
Henley & Co
J F Henry Chem Co
International Selling Corp
►JONES CHEMS, INC
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
Millmaster Chem Corp
Prior Chem Corp
Revelli Chems, Inc
J U Starkweather Co
►VICTOR CHEM WORKS (P)
Washine Chem Corp

Heyden Newport Chem Corp (P)

ACID, FUMARIC (Allomaleic Acid, Boletic Acid, Lichenic Acid, Butenedioic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
Bzura Chem Co (P)

(P) Company classifies itself as producer

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			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Lovibond Max (5¼" cell)	
High purity saturated fatty acids	HYSTRENE 97 *	90% Stearic	65.5	66.5	0.2	0.8	196	201	197	202	0.10	0.25		3.0Y-0.3R
	HYSTRENE 80 *	80% Stearic	62.0	65.0	0.1	0.5	199	204	200	205	0.05	0.15		2.0Y-0.2R
	HYSTRENE 70 *	70% Stearic	61.0	62.5	0.1	0.5	200	205	201	206	0.05	0.15		3.0Y-0.3R
	HYSTRENE 45 *	Triple Pressed Grade	55.0	56.0	0.1	0.5	207	211	208	212	0.05	0.15		3.0Y-0.3R
	HYSTRENE 30 *	70% Palmitic	53.5	55.5	0.2	0.8	210	215	211	216	0.05	0.15		3.0Y-0.3R
Superior saturated fatty acids	INDUSTRENE 12-88	12-Hydroxy Stearic	70.0	74.0	0.0	6.0	172	182	180	190			9	
	INDUSTRENE 255	Hyd. Fish Oil F.A.	54.0	55.5	1.0	3.0	192	198	193	199	0.5	2.0		10.0Y-1.0R
	INDUSTRENE 252	Hyd. Fish Oil F.A.	52.0	54.0	1.0	4.0	195	200	196	201	0.3	1.0		10.0Y-1.0R
	INDUSTRENE 264 *	90% Stearic	64.5	65.5	1.0	3.0	196	201	197	202	0.5	1.5		10.0Y-1.0R
	INDUSTRENE 262 *	Hyd. F.A.	61.5	64.5	0.5	3.0	197	204	198	205	0.5	1.5		10.0Y-1.0R
	INDUSTRENE 254 *	Double Pressed Grade	53.5	55.5	1.0	5.0	207	211	208	212	0.5	1.0		5.0Y-0.5R
	INDUSTRENE 158 *	Hyd. Tallow F.A.	58.0	60.0	0.5	1.5	202	207	203	208	0.5	1.0		10.0Y-1.0R
	INDUSTRENE B	Hyd. Mixed F.A.	56.0	62.0	2.0	5.0	199	205	200	206	0.5	2.0		30.0Y-3.0R
	INDUSTRENE R	Hyd. Rubber Grade	52.0	60.0	7.0	12.0	193	205	194	206	1.0	3.0	10	
	INDUSTRENE 154 BG	Buffing Grade	53.0	54.5		9.0	192	202	193	203			9	
Oleic Acids	INDUSTRENE 105 *	Oleic Acid (Red Oil)	3.0	5.0	90.0	96.0	195	203	197	205	0.5	2.0	6	
	INDUSTRENE 205 *	White Oleic	3.0	5.0	90.0	95.0	195	203	197	205	0.5	1.0		15.0Y-1.5R
Superior unsaturated fatty acids	INDUSTRENE 225	Distilled Soya F.A. Alkyd	23.0	26.0	135	145	195	201	197	203	0.5	2.0	3	
	INDUSTRENE 226	Distilled Soya F.A. Alkyd	26.0	29.0	125	133	198	203	199	204	0.5	2.0	4	
	INDUSTRENE 232	Distilled Corn Soya Type F.A.	28.0	32.0	105	125	196	204	197	205	0.5	2.0	6	
	INDUSTRENE 138	Distilled Cotton F.A.	32.0	38.0	90	110	196	204	197	205	0.5	2.0	7	
	INDUSTRENE 239	Distilled Cotton F.A.	35.0	40.0	90	110	199	205	200	206	0.5	2.0	5	
	INDUSTRENE 143	Distilled Animal F.A.	39.0	43.0	50	65	202	206	203	207	0.5	1.5	5	
Coconut fatty acids	INDUSTRENE 325	Distilled Coconut F.A.	22.0	26.0	8.0	15.0	258	270	260	272		0.5		20.0Y-2.0R
	INDUSTRENE 328	Stripped Coconut F.A.	26.0	29.0	8.0	14.0	253	260	254	261		0.5		20.0Y-2.0R
Refined Glycerides	NEUSTRENE 045	Hyd. Fish Glycerides	45.0	48.0	18.0	30.0		6.0	188	195				30.0Y-3.0R
	NEUSTRENE 053	Hyd. Fish Glycerides	51.0	54.0	2.0	5.0		5.0	186	195				30.0Y-3.0R
	NEUSTRENE 059	Hyd. Tallow Glycerides	58.0	61.0	1.0	5.0		10.0	190	197			5	
	NEUSTRENE 060	Hyd. Tallow Glycerides	58.0	61.0	0.5	2.0		2.0	193	197	0.5	1.5		10.0Y-1.0R
	NEUSTRENE 064	Hyd. Soya Glycerides	63.0	66.0	1.0	3.0		4.0	188	193				25.0Y-2.5R
	NEUSTRENE 072	Hyd. Castor Glycerides	70.0	75.0	2.0	4.0		4.0	176	185				50.0Y-5.0R

FATTY NITROGEN DERIVATIVES

TYPICAL ANALYSIS	% Amide	Average Mol. Wt.	% FFA	Iodine Value	Capillary M.P.-C.	Color 1"-Lovibond	% Moisture
Amide S Stearamide	93**	278	2.0	1.5	98-104	8 Y - 1.8 R	.1
Amide U Oleamide	95**	275	1.3	91.3	68-74	35 Y - 5.0 R	.2
Amide SU-25 Olea/Stearamide	94**	275	1.9	56.5	80-87	6 Y - 1.7 R	.1
Amide B Behenamide	92**	312	1.8	1.0	100-103	3 Y - 1.0 R	.1
Amide P Palmitamide	94**	254	2.0	1.2	98-102	5 Y - 1.5 R	.1

* Available as food grade products in compliance with FDA requirements.
** These are true amide contents as determined by infra-red spectrophotometry rather than contents "estimated" by other methods that may give fictitiously higher values.

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M W Hardy & Co
International Selling Corp
Kolon Trading Co
►MONSANTO CHEM CO (P)
Oronite Div (P)
Chas Pfizer & Co (P)
Pittsburgh Chem Co (P)
Prior Chem Corp

ACID, FUMAROLE see Acid, Boric

ACID, FUMING SULFURIC see Oleum

ACID, GALLIC (Trioxybenzoic Acid, 3,4,5-Trihydroxybenzoic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

ACID, GALLOTANNIC see Acid, Tannic

ACID, GAMMA see Acid, 7-Amino-1-Naphthol-3-Sulfonic

ACID, GENTISIC (2,4-Dihydroxybenzoic Acid)

►EASTMAN CHEM PRODUCTS (P)
►R W GREEFF & CO

ACID, GIBBERELLIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chempar Chem Co
Merck Chem Div (P)
Chas Pfizer & Co (P)

ACID, GLUCOHEPTONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pfanstiehl Labs (P)

ACID, GLUCONIC (Dextronic Acid)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dawe's Labs (P)
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)
Fermco Labs (P)
Industrial Biochems (P)

ACID, GLUTAMIC (α-Aminoglutaric Acid)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
General Mills, Specialty Products Div (P)
►INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV (P)
Pfanstiehl Labs
B L Lemke & Co (P)
Roselle Labs (P)

ACID, GLUTAMIC, HYDROCHLORIDE (Acidulin)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
General Mills, Specialty Products Div (P)
►INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV (P)
Pfanstiehl Labs
B Lemke & Co (P)
Roselle Labs (P)

ACID, GLUTARIC (n-Pyrotartaric Acid)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)
Chemicals Procurement Labs (P)
Kaplop Labs (P)

ACID, GLYCERIC

Aldrich Chem Co (P)
K & K Labs (P)

ACID, GLYCEROPHOSPHORIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Gallard-Schlesinger Chem Mfg Corp
Borden Chem Co (P)

ACID, GLYCOLIC (Hydroxyacetic Acid)

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►McKESSON & ROBBINS, CHEM DEPT

ACID, GLYCOLIC PHENYL ETHER see Acid, Phenoxyacetic

ACID, GLOXYLIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

ACID, H see Acid, 8-Amino-1-Naphthol-3,6-Disulfonic

ACID, HEPTAFLUOROBUTYRIC see Acid, Perfluorobutyric

ACID, HEPTONIC

Applied Science Labs (P)
Baker Castor Oil Co (P)

ACID, n-HEXADECYLIC see Acid, Palmitic

ACID, 2,4-HEXADIENOIC see Acid, Sorbic

ACID, HEXAHYDROBENZOIC see Acids, Naphthenic

ACID, HEXANEDIOIC see Acid, Adipic

ACID, HEXANOIC see Acid, n-Caproic

ACID, HEXYLACETIC see Acid, Caprylic

ACID, HIPPURIC

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Pfanstiehl Labs (P)
Andor Labs (P)

ACID, HYDRIODIC (Hydrogen Iodide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
European Chem Co
Fisher Scientific Co (P)
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
Andor Labs (P)
Hukill Chem Corp (P)
Interstate Chem Co (P)
Mathe Chem Co (P)
Tennant Chem Div (P)
Tuscarora Chem Works (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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ACID, HYDROBROMIC (Hydrogen Bromide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Dow Chem Co (P)
Fisher Scientific Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Mallinckrodt Chem Works (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Mathe Chem Co (P)

ACID, HYDROCHLORIC see Acid, Muriatic

ACID, HYDROCYANIC (Prussic Acid, Cyanhydric Acid, Hydrogen Cyanide, Formonitrile)

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)

ACID, HYDROFLUORIC (Fluorhydric Acid, Hydrogen Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Oil & Supply Co
►J T BAKER CHEM CO
►BERKSHIRE CHEMS INC (P)
Cerco Chem Corp (P)
►DAVISON CHEM DIV (P)
Dixon Chem Industries (P)
Dixon Chem & Research (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co
Globe Chem Co
►HARSHAW CHEM CO (P)
J F Henry Chem Co
International Selling Corp
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co

ACID, HYDROFLUOSILICIC see Acid, Fluosilicic

ACID, HYDROGEN CARBOXYLIC see Acid, Formic

ACID, HYDROSILICOFLUORIC see Acid, Fluosilicic

ACID, HYDROXYACETIC see Acid, Glycolic

ACID, m-HYDROXYBENZOIC

Eastern Chem Corp (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACID, o-HYDROXYBENZOIC see Acid, Salicylic

ACID, p-HYDROXYBENZOIC

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Heyden Newport Chem Corp (P)

ACID, β-HYDROXYBUTYRIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
K & K Labs (P)
RSA Corp (P)

ACID, N-HYDROXYETHYL-ETHYLENE DIAMINE TRIACETIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Geigy Industrial Chems (P) Tanatex Chem Corp (P)

ACID, α-HYDROXYISOBUTYRIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

ACID, 1-HYDROXY-2-NAPHTHOIC

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, 3-HYDROXY-2-NAPHTHOIC (β-Hydroxynaphthoic Acid, β-Oxynaphthoic Acid)

Aldrich Chem Co (P)
Antara Chem Div (P)
►EASTMAN CHEM PRODUCTS (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
H P Rossiger & Co
Sherwin-Williams Co (P)
Heyden Newport Chem Corp (P) Pfister Chem Works (P)

ACID, 2-HYDROXY-1,2,3-PROPANE TRICARBOXYLIC see Acid, Citric

ACID, α-HYDROXYPROPIONIC see Acid, Lactic

ACID, 8-HYDROXYQUINOLINE-5-SULFONIC

Fisher Chem Co
Metalsalts Corp (P)
Gamma Chem Corp (P) Polychemical Labs (P)

ACID, 12-HYDROXYSTEARIC

Baker Castor Oil Co (P)
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Emery Industries (P)
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M W Hardy & Co
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Kolon Trading Co
►MONSANTO CHEM CO (P)
Oronite Div (P)
Chas Pfizer & Co (P)
Pittsburgh Chem Co (P)
Prior Chem Corp

ACID, FUMAROLE see Acid, Boric

ACID, FUMING SULFURIC see Oleum

ACID, GALLIC (Trioxybenzoic Acid, 3,4,5-Trihydroxybenzoic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

ACID, GALLOTANNIC see Acid, Tannic

ACID, GAMMA see Acid, 7-Amino-1-Naphthol-3-Sulfonic

ACID, GENTISIC (2,4-Dihydroxybenzoic Acid)

►EASTMAN CHEM PRODUCTS (P)
►R W GREEFF & CO

ACID, GIBBERELLIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chempar Chem Co
Merck Chem Div (P)
Chas Pfizer & Co (P)

ACID, GLUCOHEPTONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pfanstiehl Labs (P)

ACID, GLUCONIC (Dextronic Acid)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dawe's Labs (P)
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)
Fermco Labs (P)
Industrial Biochems (P)

ACID, GLUTAMIC (α-Aminoglutaric Acid)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
General Mills, Specialty Products Div (P)
►INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV (P)
Pfanstiehl Labs
B L Lemke & Co (P)
Roselle Labs (P)

ACID, GLUTAMIC, HYDROCHLORIDE (Acidulin)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
General Mills, Specialty Products Div (P)
►INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV (P)
Pfanstiehl Labs
B Lemke & Co (P)
Roselle Labs (P)

ACID, GLUTARIC (n-Pyrotartaric Acid)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)
Chemicals Procurement Labs (P)
Kaplop Labs (P)

ACID, GLYCERIC

Aldrich Chem Co (P)
K & K Labs (P)

ACID, GLYCEROPHOSPHORIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Gallard-Schlesinger Chem Mfg Corp
Borden Chem Co (P)

ACID, GLYCOLIC (Hydroxyacetic Acid)

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►McKESSON & ROBBINS, CHEM DEPT

ACID, GLYCOLIC PHENYL ETHER see Acid, Phenoxyacetic

ACID, GLOXYLIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

ACID, H see Acid, 8-Amino-1-Naphthol-3,6-Disulfonic

ACID, HEPTAFLUOROBUTYRIC see Acid, Perfluorobutyric

ACID, HEPTONIC

Applied Science Labs (P)
Baker Castor Oil Co (P)

ACID, n-HEXADECYLIC see Acid, Palmitic

ACID, 2,4-HEXADIENOIC see Acid, Sorbic

ACID, HEXAHYDROBENZOIC see Acids, Naphthenic

ACID, HEXANEDIOIC see Acid, Adipic

ACID, HEXANOIC see Acid, n-Caproic

ACID, HEXYLACETIC see Acid, Caprylic

ACID, HIPPURIC

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Pfanstiehl Labs (P)
Andor Labs (P)

ACID, HYDRIODIC (Hydrogen Iodide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
European Chem Co
Fisher Scientific Co (P)
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
Andor Labs (P)
Hukill Chem Corp (P)
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ACID, HYDROBROMIC (Hydrogen Bromide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Dow Chem Co (P)
Fisher Scientific Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Mallinckrodt Chem Works (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Mathe Chem Co (P)

ACID, HYDROCHLORIC see Acid, Muriatic

ACID, HYDROCYANIC (Prussic Acid, Cyanhydric Acid, Hydrogen Cyanide, Formonitrile)

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)

ACID, HYDROFLUORIC (Fluorhydric Acid, Hydrogen Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Oil & Supply Co
►J T BAKER CHEM CO
►BERKSHIRE CHEMS INC (P)
Corco Chem Corp (P)
►DAVISON CHEM DIV (P)
Dixon Chem Industries (P)
Dixon Chem & Research (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co
Globe Chem Co
►HARSHAW CHEM CO (P)
J F Henry Chem Co
International Selling Corp
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
Olin Mathieson Chem Corp, Blocksen Chems (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co

ACID, HYDROFLUOSILICIC see Acid, Fluosilicic

ACID, HYDROGEN CARBOXYLIC see Acid, Formic

ACID, HYDROSILICOFLUORIC see Acid, Fluosilicic

ACID, HYDROXYACETIC see Acid, Glycolic

ACID, m-HYDROXYBENZOIC

Eastern Chem Corp (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACID, o-HYDROXYBENZOIC see Acid, Salicylic

ACID, p-HYDROXYBENZOIC

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Heyden Newport Chem Corp (P)

ACID, β-HYDROXYBUTYRIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
K & K Labs (P)
RSA Corp (P)

ACID, N-HYDROXYETHYL-ETHYLENE DIAMINE TRIACETIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Geigy Industrial Chems (P) Tanatex Chem Corp (P)

ACID, α-HYDROXYISOBUTYRIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

ACID, 1-HYDROXY-2-NAPHTHOIC

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, 3-HYDROXY-2-NAPHTHOIC (β-Hydroxynaphthoic Acid, β-Oxynaphthoic Acid)

Aldrich Chem Co (P)
Antara Chem Div (P)
►EASTMAN CHEM PRODUCTS (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
H P Rossiger & Co
Sherwin-Williams Co (P)
Heyden Newport Chem Corp (P) Pfister Chem Works (P)

ACID, 2-HYDROXY-1,2,3-PROPANE TRICARBOXYLIC see Acid, Citric

ACID, α-HYDROXYPROPIONIC see Acid, Lactic

ACID, 8-HYDROXYQUINOLINE-5-SULFONIC

Fisher Chem Co
Metalsalts Corp (P)
Gamma Chem Corp (P) Polychemical Labs (P)

ACID, 12-HYDROXYSTEARIC

Baker Castor Oil Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
William E Phillips Inc
Archer-Daniels-Midland (P) Werner G Smith, Inc (P)
E F Drew & Co Woburn Chem Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

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62% 13 gal. carboys, 55 gal. drums

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Plant: MArket 3-5300

Philadelphia Office: HAzel 3-2050
New England Office: 87 Weybosset Street
Providence, R. I., GAspee 1-1096
New York Phone: WOrth 2-3042

ACID, HYDROXYSUCCINIC see Acid, Malic

ACID, β-HYDROXYTRICARBALLYLIC see Acid, Citric

ACID, HYPOPHOSPHOROUS

►HOOKER CHEM CORP (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)

ACID, IMINODIACETIC

Aldrich Chem Co (P)
Dow Chem Co (P)
Geigy Industrial Chems (P)

ACID, 3-INDOLEACETIC

Arapahoe Chems (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Millmaster Chem Corp
Andor Labs (P)
Winthrop Labs (P)
Thompson Chems Corp (P)

ACID, 3-INDOLEBUTYRIC

Arapahoe Chems (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Millmaster Chem Corp
Andor Labs (P)
Thompson Chems Corp (P)

ACID, INHIBITED

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Globe Chem Co
J F Henry Chem Co
Pennsalt Chems Corp (P)
Rumford Chem Works (P)
►STAUFFER CHEM CO (P)
Aetna Chem Corp (P)
Amchem Products (P)
Arol Chem Products Co (P)
Ideal Chem & Supply Co (P)
Magnuson Products Corp (P)
Oakite Products (P)
E W Smith Chem Co (P)
Sumco Products (P)

ACID, IODIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fairmount Chem Co (P)
Mallinckrodt Chem Works (P)
RSA Corp (P)
Andor Labs (P)
Tennant Chem Div (P)

ACID, IODOACETIC (Iodoethanoic Acid)

Aero Chem Corp (P)
Eastern Chem Corp (P)
RSA Corp (P)
Andor Labs (P)
Edcan Labs (P)
Kaplop Labs (P)

ACID, ISOASCORBIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Merck Chem Div (P)
►MILES CHEM CO (P)
Chas Pfizer & Co (P)
Wallerstein Co (P)

ACID, ISOBUTYLFORMIC see Acid, Isovaleric

ACID, ISOBUTYRIC

►EASTMAN CHEM PRODUCTS (P)

ACID, ISONICOTINIC

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries
Chas Pfizer & Co (P)
Reilly Tar & Chem Corp (P)
Roselle Labs (P)

ACID, ISOPHTHALIC

►ALLIED CHEM CORP, PLASTICS DIV
Amoco Chems Corp (P)
Oronite Div (P)

ACID, ISOVALERIC (Isobutylformic Acid)

European Chem Co
Fairmount Chem Co (P)
Fiorasynth Labs
Fritzsche Bros
►R W GREEFF & CO
►TRUBEK LABS (P)

ACID, ITACONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)

ACID, J see Acid, 6-Amino-1-Naphthol-3-Sulfonic

ACID, β-KETOGLUTARIC (Acetonedicarboxylic Acid)

European Chem Co
K & K Labs
Chemical Intermediates & Research Labs (P)

ACID, KOCH see Acid, 1-Naphthylamine-3,6,8-Trisulfonic

ACID, KOJIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chas Pfizer & Co (P)

ACID, LACTIC (α-Hydroxypropionic Acid, Ethylidenelactic Acid, Milk Acid)

►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Browning Chem Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
►R W GREEFF & CO
Henley & Co
Kolon Trading Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Prior Chem Corp
American Maize Products Co (P)
Clinton Corn Processing Co (P)
Roselle Labs (P)

ACID, LACTOBIONIC

Borden Chem Co (P)

ACID, LAURENT'S see Acid, 1-Naphthylamine-5-Sulfonic

ACID, LAURIC (Dodecanoic Acid)

►ACETO CHEM CO
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Industrial Raw Materials Corp
International Salling Corp
M Michel & Co
Welch, Holme & Clark Co
E F Drew & Co (P)
Woburn Chem Corp (P)
Foremost Food & Chem Co (P)

ACID, LEVULINIC (β-Acetopropionic Acid, Oxopentanoic Acid)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fairmount Chem Co (P)
►QUAKER OATS CO (P)
Wallach-Gracer Export Corp

ACID, LINOLEIC (Linolic Acid, Octadecadienoic Acid)

Applied Science Labs (P)
Armour Industrial Chem Co (P)
Baker Castor Oil Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Fine Organics (P)
Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
Woburn Chem Corp (P)

ACID, MALEIC (Maleinic Acid, Butenedioic Acid, Ethylene Dicarboxylic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
American Firstoline Corp
Fairmount Chem Co (P)
International Selling Corp
Oronite Div (P)
Pfanstiehl Labs (P)

ACID, MALIC (l-Hydroxysuccinic Acid, Apple Acid, Oxyethylenesuccinic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Pfanstiehl Labs (P)

ACID, MALONIC (Methanedicarboxylic Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Fairmount Chem Co (P)
►R W GREEFF & CO
Interstate Chem Corp
►KAY-FRIES CHEMS (P)

ACID, MANDELIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Mallinckrodt Chem Works (P)
Nepera Chem Co (P)
Polychemical Labs (P)

ACID, MERCAPTOACETIC see Acid, Thioglycolic

ACID, METANILIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

ACID, METHACRYLIC

►DU PONT, ELECTROCHEMS DEPT (P)
Rohm & Haas Co (P)
Borden Chem Co (P)
Escambia Chem Corp (P)

ACID, METHANESULFONIC

Aldrich Chem Co (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Philip J Lo Bue Co

ACID, p-METHOXY BENZOIC see Acid, Anisic

ACID, m-METHOXY PHENYLACETIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Winthrop Labs (P)

ACID, p-METHOXY PHENYLACETIC

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)
►TRUBEK LABS (P)

ACID, 2-METHYL-4-CHLOROPHENOXYACETIC

►ACETO CHEM CO (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

Robeco Chems
Samincorp
Chipman Chem Co (P)

ACID, METHYLENE DISALICYLIC

Heyden Newport Chem Corp (P)

ACID, MILK see Acid, Lactic

ACID, MIXED (Nitrating Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Dixon Chem & Research (P)
Dixon Chem Industries (P)
►DU PONT, EXPLOSIVES DEPT (P)
►MONSANTO CHEM CO (P)

Central Chem Div (P)
Escambia Chem Corp (P)
Foremost Food & Chem Co (P)

ACID, MOLYBDIC see Ammonium Molybdate and Molydenum Trioxide

ACID, MONOCHLOROACETIC see Acid, Chloroacetic

ACID, MONOSULFONIC F see Acid, 2-Naphthol-7-Sulfonic

ACID, MUCIC (Saccharolactic Acid, Tetrahydroxy-hexanedioic Acid)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fairmount Chem Co (P)
Pfanstiehl Labs (P)

ACID, MURIATIC (Hydrochloric Acid, Chlorohydric Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Antara Chems Div (P)
B T Chemco
►J T BAKER CHEM CO (P)
►BENZOL PRODUCTS CO (P)
Bergstrom Trading Co
Chemsol, Inc
Corco Chem Corp (P)
Diamond Alkali Co (P)
Dixon Chem Industries
Dixon Chem & Research (P)
Dow Chem Co
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
J F Henry Chem Co
►HOOKER CHEM CORP (P)
International Minerals & Chem Corp
►JONES CHEMS, INC (P)
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
Millmaster Chem Corp
►MONSANTO CHEM CO (P)
Morton Chem Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Riches-Nelson, Inc
Rohm & Haas Co (P)
Rumford Chem Works
J U Starkweather Co
►STAUFFER CHEM CO (P)
►TENNESSE PRODUCTS & CHEM CORP (P)
Thompson-Hayward Chem Co
Joseph Turner & Co

Arkansas Louisiana Chem Corp (P)
Arol Chem Products Co (P)
Central Chem Div (P)
Dover Chem Co (P)
Heyden Newport Chem Corp (P)
Frontier Chem Co (P)
Montrose Chem Co (P)
Reichhold Chems, Inc (P)

ACID, MYRISTIC

►ACETO CHEM CO (P)
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chempar Chem Co
Emery Industries (P)
Industrial Raw Materials Corp
International Selling Corp

Foremost Food & Chem Co (P)
E F Drew & Co (P)

ACID, α-NAPHTHALENE ACETIC (1-Naphthyl Acetic Acid)

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)
Millmaster Chem Corp (P)

Amchem Products (P)
Thompson Chem Corp (P)

ACID, β-NAPHTHALENE SULFONIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Fine Organics (P)

ACID, 1,3,6-NAPHTHALENE TRISULFONIC

Antara Chems Div (P)
Fairmount Chem Co (P)

ACIDS, NAPHTHENIC (Hexahydrobenzoic Acid)

B T Chemco
►BAIRD CHEM INDUSTRIES, INC
Bergstrom Trading Co
►ENJAY CHEM CO (P)
►HARSHAW CHEM CO (P)
Oronite Div (P)
Petroleum By-Products & Chem Co
►SUN OIL CO (P)
Tar Residuals

Advance Solvents & Chem Div (P)
Jefferson Lake Sulfur Co, Merichem Div (P)
National Research & Chem Co (P)
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Anhydrous

Hydrogen Bromide
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PETBYCO PRODUCTS

ACID, NAPHTHIONIC (1-Aminonaphthalene-4-Sulfonic Acid, 4-Amino-1-Naphthalene Sulfonic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-NAPHTHOL-4-SULFONIC (Neville-Winther Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-NAPHTHOL-5-SULFONIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, 2-NAPHTHOL-7-SULFONIC

►DU PONT, DYES & CHEMS DIV (P)
Sherwin-Williams Co (P)

ACID, β-NAPHTHOXYACETIC

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)
Millmaster Chem Corp (P)
Amchem Products (P)

ACID, 1-NAPHTHYL ACETIC see Acid, Naphthaleneacetic

ACID, 1-NAPHTHYLAMINE-4,8-DISULFONIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, 2-NAPHTHYLAMINE-4,8-DISULFONIC (C Acid; Cassella Acid; 3-Amino-1,5-Naphthalenedisulfonic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)

ACID, 2-NAPHTHYLAMINE-5,7-DISULFONIC (Amino J Acid; 6-Amino-1,3-Naphthalenedisulfonic Acid)

►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-NAPHTHYLAMINE-4-SULFONIC see Acid, Naphthionic

ACID, 1-NAPHTHYLAMINE-5-SULFONIC (Laurent's Acid; L Acid; 5-Amino-1-Naphthalenesulfonic Acid)

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-NAPHTHYLAMINE-6-SULFONIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID-1-NAPHTHYLAMINE-7-SULFONIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 1-NAPHTHYLAMINE-8-SULFONIC (Peri Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, 2-NAPHTHYLAMINE-1-SULFONIC (Tobias Acid; 2-Amino-1-Naphthalenesulfonic Acid)

Filo Color & Chem Corp
Sherwin-Williams Co (P)
Standard Ultramarine & Color Co (P)

ACID, 2-NAPHTHYLAMINE-6-SULFONIC (Broenner's Acid; 6-Amino-2-Naphthalenesulfonic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Sherwin-Williams Co (P)

ACID, 1-NAPHTHYLAMINE-3,6,8-TRISULFONIC (Koch Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, NEVILLE-WINTHER see Acid, 1-Naphthol-4-Sulfonic

ACID, NICOTINIC (3-Pyridinecarboxylic Acid)

►ALLIED CHEM CORP, PLASTICS DIV (P)
Browning Chem Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, EXPLOSIVES DEPT (P)
Gallard-Schlesinger Chem Mfg Corp
Gane's Chem Works
►R W GREEFF & CO
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div
Millmaster Chem Corp
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Reilly Tar & Chem Corp (P)
Thompson-Hayward Chem Co
George Uhe Co
Vitamins, Inc
American Cyanamid Co, Fine Chems Dept (P)
Beacon Chem Industries (P)
Biorganic Labs (P)
Nepera Chem Co (P)
Roselle Labs (P)
Whitmoyer Labs (P)

ACID, NICOTINIC DIETHYLAMIDE see Nikethamide

ACID, NITRATING see Acid, Mixed

ACID, NITRIC (Aqua Fortis)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Oil & Supply Co
►J T BAKER CHEM CO (P)
Corco Chem Corp (P)
Dixon Chem & Research (P)
►DU PONT, EXPLOSIVES DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
J F Henry Chem Co
Hercules Powder Co (P)
Philip A Hunt Co
►JONES CHEMS, INC (P)
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
Rumford Chem Works
J U Starkweather Co
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
►U S INDUSTRIAL CHEMS CO (P)
Washine Chem Corp
Apache Powder Co (P)
Atlas Powder Co, Explosives (P)
Central Chem Div (P)
Collier Carbon & Chem (P)
Escambia Chem Corp (P)
Ketona Chem Corp (P)
Naugatuck Chem Div (P)
Phillips Chem Co (P)
Spencer Chem Co (P)
Texaco Inc (P)
Sohio Chem Co (P)
U S Steel Corp (P)

ACID, NITRILOTRIACETIC see Acid, Triglycollamic

ACID, m-NITROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
European Chem Co
Hilton-Davis Chem Co (P)
Geigy Industrial Chems (P)
Winthrop Labs (P)

ACID, o-NITROBENZOIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

ACID, p-NITROBENZOIC (Nitrodracylic Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Cowles Chem Co (P)
►DU PONT DYES & CHEMS DIV (P)
Kaplop Labs (P)

ACID, NITRODRACYLIC see Acid, p-Nitrobenzoic

ACID, 5-NITROSALICYLIC (m-Nitrosalicylic Acid)

►ACETO CHEM CO (P)
Andor Labs (P)

ACID, p-NITROTOLUENE-o-SULFONIC
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT DYES & CHEMS DIV (P)

ACIDS, NUCLEIC
Aero Chem Corp (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Pfanstiehl Labs
Schwarz BioResearch (P)

ACID, 9,12-OCTADECADIENOIC see Acid, Linoleic

ACID, OCTADECANOIC see Acid, Stearic

ACID, cis-9-OCTADECENOIC see Acid, Oleic

ACID, trans-9-OCTADECENOIC see Acid, Elaidic

ACID, OCTANEDIOIC see Acid, Suberic

ACID, OCTANOIC see Acid, Caprylic

ACID, OLEIC (cis-9-Octanedecenoic Acid)
S L Abbot Co
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Celina Stearic Acid Co (P)
Columbian Carbon Co
Darling & Co (P)
Emery Industries (P)
A Gross & Co (P)
Harchem Div, Wallace & Tiernan Inc (P)
Howe & French
►HUMKO PRODUCTS CHEM DIV (P)
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
Will & Baumer Candle Co (P)
William E Phillips Inc
J U Starkweather Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co
►WILSON-MARTIN (DIV WILSON & CO) (P)
Arnold, Hoffman & Co (P)
Capital City Products Co (P)
E F Drew & Co (P)
Woburn Chem Corp (P)

ACID, OROTIC
Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Fallek Products Co
RSA Corp (P)

ACID, OSMIC see Osmium Tetroxide

ACID, OXALIC (Ethanedioic Acid)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
►HOOKER CHEM CORP (P)
International Salling Corp
►JONES CHEMS, INC
E & F King & Co
H Kohnstamm & Co (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Prior Chem Corp
J U Starkweather Co
Tar Residuals
Thompson-Hayward Chem Co
Valchem
►VICTOR CHEM WORKS (P)

ACID, 4-OXOPENTANOIC see Acid, Levulinic

ACID, β-OXYNAPHTHOIC see Acid, 3-Hydroxy-2-Naphthoic

ACID, OXYPHENIC see Pyrocatechol

ACID, OXYQUINOLINE SULFONIC see Acid, 8-Hydroxyquinoline-5-Sulfonic

ACID, PALMITIC (Palmitinic Acid, Hexadecylic Acid, Cetylic Acid, Ethalic Acid)
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Emery Industries (P)
Fisher Scientific Co
►HUMKO PRODUCTS CHEM DIV (P)
International Salling Corp
M Michel & Co
Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
Foremost Food & Chem Co (P)
Werner G Smith, Inc (P)

ACID, PANTOTHENIC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
RSA Corp (P)
►NOPCO CHEM CO (P)

ACID, PARABANIC (Oxalylurea)
Aldrich Chem Co (P)
RSA Corp (P)
Schuylkill Chem Co (P)
Kaplop Labs (P)
Polychemical Labs (P)

ACID, PELARGONIC
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Givaudan-Delawanna (P)

ACID, PENTANOIC see Acid Valeric

ACID, PERACETIC
►BECCO CHEM DIV (P)
Xanthippe Chems (P)

ACID, PERCHLORIC (Fraude's Reagent)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HOOKER CHEM CORP (P)
Mallinckrodt Chem Works (P)

ACID, PERFLUOROBUTYRIC
Minnesota Mining & Mfg Co, Chem Div (P)
Kaplop Labs (P)

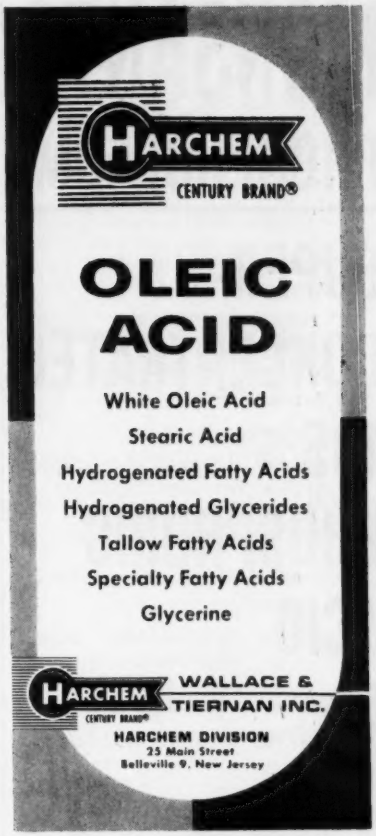
ACID, PERFLUOROPROPIONIC
Kaplop Labs (P)
Werner G Smith, Inc (P)

ACID, PERI see Acid, 1-Naphthylamine-8-Sulfonic

ACID, PERIODIC
City Chem Corp
Andor Labs (P)

ACID, o-PHENOLSULFONIC (Sozolic Acid)
►BAIRD CHEM INDUSTRIES, INC
►MONSANTO CHEM CO (P)
►ULTRA CHEM WORKS (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses



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►BAIRD CHEM INDUSTRIES, INC
Dow Chem Co (P)
►ULTRA CHEM WORKS (P)
United States Pipe & Foundry Co (P)

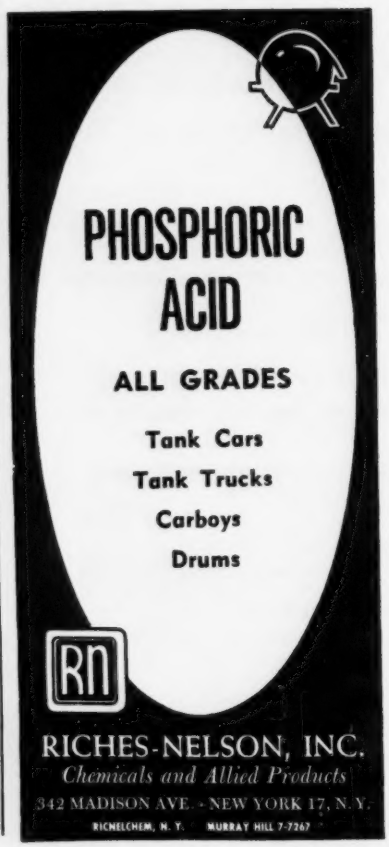
ACID, PHENOXYACETIC
Diamond Alkali Co (P)
Dow Chem Co (P)
Tennant Chem Div (P)

ACID, PHENYLACETIC (α-Toluic Acid)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►TRUBEK LABS (P)
Kaplop Labs (P)

ACID, PHENYLACETYLENE CARBOXYLIC see Acid, Phenylpropriolic

ACID, α-PHENYLBUTYRIC
►BENZOL PRODUCTS CO (P)
Gane's Chem Works (P)

ACID, PHENYLCINCHONINIC see Cinchophen



ACID, PHENYLFORMIC see Acid, Benzoic

ACID, PHENYL GAMMA see Acid, 7-Anilino-1-Naphthol-3-Sulfonic

ACID, PHENYLIC see Phenol

ACID, PHENYLMERCAPTOACETIC
►EVANS CHEMETICS (P)

ACID, PHENYL-1-NAPHTHYLAMINE-8-SULFONIC (Phenyl Peri Acid)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

ACID, PHENYLPROPIOLIC (Phenylacetylene Carboxylic Acid)
Aldrich Chem Co (P)
Farchan Research Labs (P)
K & K Labs (P)

ACID, 2-PHENYLQUINOLINE-4-CARBUXYLIC see Cincophen

ACID, PHENYLSTEARIC
Barlow Chem Corp (P) Freeman Industries (P)

ACID PHOSPHATE see Superphosphate

ACIDS, PHOSPHINIC
►HOOKER CHEM CORP (P)
Xanthippe Chems (P)

ACID, PHOSPHOMOLYBDIC
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Climax Molybdenum Co (P)
Mallinckrodt Chem Works (P)
Var-Lac-Oid Chem Co (P)
North Metal & Chem Co (P) Xanthippe Chems (P)

ACID, PHOSPHORIC (o-Phosphoric Acid)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
H J Baker & Bro
►J T BAKER CHEM CO (P)
Browning Chem Corp
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fallek Chem Corp
Fisher Scientific Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Howe & French
►INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV (P)
►JONES CHEMS, INC
E & F King & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Prior Chem Corp
Riches-Nelson, Inc
Rumford Chem Works
Smith-Douglass Co (P)
J U Starkweather Co
Tennessee Corp (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
►U S INDUSTRIAL CHEMS CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
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Bunker Hill Co (P) A R Maas Chem Co Div (P)
Collier Carbon & Chem Corp (P) J R Simplot Co (P)

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ACID, PHOSPHORIC, ANHYDROUS see Phosphorus Pentoxide

ACID, m-PHOSPHORIC

►AMERICAN AGRICULTURAL CHEM CO
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
►VICTOR CHEM WORKS (P)

Olin Mathieson Chem Corp, Plant Food (P)

ACID, o-PHOSPHORIC see Acid, Phosphoric

ACID, PHOSPHOROUS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

ACID, PHOSPHOTUNGSTIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Gallard-Schlesinger Chem Mfg Corp
Mallinckrodt Chem Works (P)
Shwayder Chem Metallurgy Corp (P)
Var-Lac-Old Chem Co (P)

Andor Labs (P)
North Metal & Chem Co (P)
Sylvania Elec Products (P)
Xanthippe Chems (P)

ACID, PHTHALALDEHYDIC

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

ACID, PHTHALIC (o-Phthalic Acid, o-Benzenedicarboxylic Acid)

►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)
Maumee Chem Co (P)
Oronite Div (P)
Riches-Nelson, Inc
Shwayder Chem Metallurgy Corp (P)

ACID, PHYTIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO

Corn Products Co (P)

ACID, PICRIC (Trinitrophenol, Picronitric Acid, Carbazotic Acid, Phenoltrinitrate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)

ACID, PICOLINIC

Aldrich Chem Co (P)
Eastern Chem Corp (P)
RSA Corp (P)

Electro Organic Corp (P)
Nepera Chem Co (P)

ACID, PIMELIC (Heptanedioic Acid)

Aldrich Chem Co (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
K & K Labs

Kaplop Labs (P)

ACID, PIVALIC

Aldrich Chem Co (P)
Araphoe Chems (P)
Eastern Chem Corp (P)
Henley & Co
Millmaster Chem Corp

ACID, PLUMBIC, ANHYDROUS see Lead Dioxide

ACID, POLYPHOSPHORIC

City Chem Corp
Riches-Nelson, Inc
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

ACID, PROPIOLIC (Acetylene Monocarboxylic Acid)

Aero Chem Corp (P)
Aldrich Chem Co (P)
Farchan Research Labs (P)
K & K Labs (P)

Kaplop Labs (P)

ACID, PROPIONIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
►EASTMAN CHEM PRODUCTS (P)
►R W GREEFF & CO
Union Carbide Chems Co (P)

ACID, PRUSSIC see Acid, Hydrocyanic

ACID, 2-PYRIDINECARBOXYLIC see Acid, Picolinic

ACID, 3-PYRIDINECARBOXYLIC see Acid, Nicotinic

ACID, 4-PYRIDINECARBOXYLIC see Acid, Isonicotinic

ACID, 3-PYRIDINESULFONIC

Aldrich Chem Co (P)
Midland Tar Distillers

Nepera Chem Co (P)

ACID, PYROCATECHINIC See Pyrocatechol

ACID, PYROGALLIC (Pyrogallol; 1,2,3-Trihydroxybenzene)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
D F Goldsmith Chem & Metal Corp
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

ACID, PYROMUCIC see Acid, Furoic

ACID, PYROLIGNEOUS (Wood Vinegar, Pyroligneous Vinegar, Acetic Crude)

Louisiana Pine Products Co (P)
Tennessee Products & Chem Corp (P)

ACID, PYROPHOSPHORIC, ANHYDROUS

City Chem Corp (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

ACID, n-PYROTARTARIC see Acid, Glutaric

ACID, PYRUVIC (Pyroracemic Acid, Ketoacetic Acid, Acetylformic Acid)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)

Electro Organic Corp (P)

ACID, RESORCINOL DIACETIC

Aldrich Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACID, α-RESORCYLIC (3,5-Dihydroxybenzoic Acid)

Aldrich Chem Co (P)
K & K Labs (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

ACID, β-RESORCYLIC (2,4-Dihydroxybenzoic Acid)

Aldrich Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maumee Chem Co (P)
Riches-Nelson, Inc

American Cyanamid Co, Market Development Dept (P)

ACID, γ-RESORCYLIC (2,6-Dihydroxybenzoic Acid)

Aldrich Chem Co (P)
K & K Labs (P)

ACID, RHODIZONIC

Aldrich Chem Co (P)
Eastern Chem Corp (P)

ACID, RHODULINE (6,6'-Iminobis-1-Naphthol-3-Sulfonic Acid)

►DU PONT, DYES & CHEMS DIV (P)

ACID, RICINOLEIC (Ricinic Acid)

Applied Science Labs (P)
Baker Castor Oil Co (P)

Archer-Daniels-Midland Co (P)
Woburn Chem Corp (P)

ACID, RUBEANIC see Dithiooxamide

ACID, S see Acid, 8-Amino-1-Naphthol-5-Sulfonic

ACID, SS see Acid, 8-Amino-1-Naphthol-5,7-Disulfonic

ACID, SACCHARIC

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

ACID, SALICYLIC (o-Hydroxybenzoic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Hilton-Davis Chem Co Div (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

Heyden Newport Chem Corp (P)

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ACID, SEBACIC (Sebacylic Acid, Decane Dicarboxylic Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Columbian Carbon Co
Fallek Chem Corp
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
William E Phillips Inc
Rohm & Haas Co (P)

ACID, SELENIC

City Chem Corp (P)
Fairmount Chem Co (P)
Var-Lac-Oid Chem Co (P)

ACID, SELENOUS

City Chem Corp (P)
Fairmount Chem Co (P)
Fisher Scientific Co (P)
Var-Lac-Oid Chem Co (P)

Chemical Commerce (P)

ACID, SILICIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Conray Products Co
Mallinckrodt Chem Works (P)

Bio-Rad Labs (P)

ACID, SILICOFLUORIC see Acid, Fluosilicic

ACID, SILICOTUNGSTIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
Fisher Scientific Co
Shwayder Chem Metallurgy Corp (P)

Andor Labs (P) North Metal & Chem Co (P)

ACID, SORBIC

Chas Pfizer & Co (P)
Riches-Nelson, Inc
Union Carbide Chems Co (P)
Var-Lac-Oid Chem Co (P)

ACID, SOZOLIC see Acid, o-Phenolsulfonic

ACID, STEARIC (Octadecanoic Acid)

S L Abbot Co
Applied Science Labs (P)
Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Darling & Co (P)
Eastern Chem Corp (P)
Emery Industries (P)
A Gross & Co (P)
Harchem Div, Wallace & Tiernan Inc (P)
Harwick Standard Chem Co
J F Henry Chem Co
Howe & French
►HUMKO PRODUCTS CHEM DIV (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►S B PENICK & CO, NYQ CHEM DIV (P)
William E Phillips Inc
J U Starkweather Co
Thompson-Hayward Chem Co
Joseph Turner & Co
Welch, Holme & Clark Co
Will & Baumer Candle Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Archer-Daniels-Midland Co (P) Werner G Smith, Inc (P) Woburn Chem Corp (P)
E F Drew & Co (P)

ACID, STIBIOUS, ANHYDROUS see Antimony Trioxide

ACID, SUBERIC (Octanedioic Acid)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

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ACID, SUCCINIC (Amber Acid, Butanedioic Acid)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
M W Hardy & Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
RITA Chem Corp

ACID, SULFAMIC

►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Globe Chem Co
Hostachem Corp
►McKESSON & ROBBINS, CHEM DEPT
George Uhe Co

Arol Chem Products Co (P) Hagan Chems & Controls (P)
Burdick & Jackson Labs (P)

ACID, SULFANILIC (p-Aminobenzenesulfonic Acid; p-Anilinesulfonic Acid)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemical Products Div, Chemetron Corp (P)
Fisher Scientific Co (P)
Phillip J Lo Bue Co
Mallinckrodt Chem Works (P)

ACID, o-SULFOBENZOIC

Corco Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)

Beacon Chem Industries (P)

ACID, SULFOCARBOLIC see Acid, p-Phenolsulfonic

ACID, SULFONIC see Acid, Benzenesulfonic

ACID, SULFOPHENYLIC see Acid, p-Phenolsulfonic

ACID, SULFOSALICYLIC

Aldrich Chem Co (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fine Organics (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)

ACID, SULFURIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Oil & Supply Co (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
Chemsol, Inc
Corco Chem Corp (P)
►DAVISON CHEM DIV (P)
Dixon Chem & Research (P)
Dixon Chem Industries (P)
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ACID, SULFURIC (continued)

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
►INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV (P)
►JONES CHEMS, INC
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Bleckson Chems (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
Pittsburgh Chem Co (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
St Joseph Lead Co (P)
Smith-Douglass Co (P)
J U Starkweather Co
►STAUFFER CHEM CO (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co
►U S INDUSTRIAL CHEMS CO (P)

Apache Powder Co (P)
Bunker Hill Co (P)
Central Chem Div (P)
Collier Carbon & Chem Corp (P)
Detroit Chem Works (P)
Eagle-Picher Co (P)
Koppers Co, Gas & Coke Div (P)
Naugatuck Chem Div (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Northern Chem Industries (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ozark-Mahoning Co (P)
Reichhold Chems, Inc (P)
Susquehanna-Western (P)
Wabash Chem Corp (P)

ACID, SULFURIC, FUMING see Oleum

ACID, SULFUROUS

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Fisher Scientific Co (P)
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ACID, SULFUROUS, ANHYDRIDE see Sulfur Dioxide

(P) Company classifies itself as producer
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►HARSHAW CHEM CO (P)
Howe & French
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
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Tar Residuals

ACIDS, TAR

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Concord Chem Co (P)
Fallek Chem Corp
►KOPPERS CO, TAR PRODUCTS DIV (P)
Pittsburgh Coke & Chem Co (P)
Tar Residuals
Coopers Creek Chem Corp (P)
Crowley Tar Products Corp (P)

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►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
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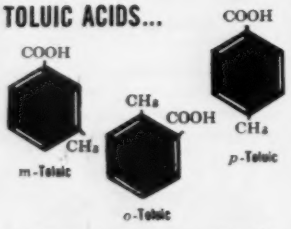
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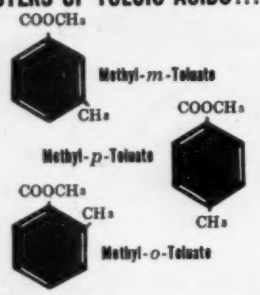
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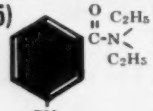
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ACID, VINEGAR see Acid, Acetic

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ACID, WOLFRAMIC see Acid, Tungstic

ACIDS, WOOL WAX see Acids, Fatty, Wool Wax

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ACRYLIC ALDEHYDE see Acrolein

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Boler Petroleum Co (P)
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Chemical Development Corp (P)
Chemical Products Corp (RI) (P)
Emkay Chem Co (P)
H B Fuller Co (P)
Gill Chem Products (P)
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Hughes Glue Co (P)
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Jewel Labs (P)
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Lox Mfg Co (P)
Madison Glue Corp (P)
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Pierce & Stevens Chem (P)
Pyroxylin Products (P)
Raffi & Swanson (P)
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Harwick Standard Chem Co
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American Products Mfg (P)
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Axel Plastics Research Labs (P)
B B Chem Co (P)
Boler Petroleum Co (P)
Borden Chem Co (P)
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Clarkson Labs (P)
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Dayton Chem Products Labs (P)
Devcon Corp (P)
Emkay Chem Co (P)
Franklin Glue Co (P)
H B Fuller Co (P)
Furane Plastics (P)
Goodyear Tire & Rubber Co, Chem Div (P)
H V Hardman Co (P)
Hughes Glue Co (P)
Imperial Adhesives (P)
Industrial Chem Specialties Co (P)
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Marblette Corp (P)
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Pyroxylin Products (P)
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Franklin Glue Co (P)
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Furane Plastics (P)
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Hughes Glue Co (P)
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Clarkson Labs (P)
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Goodyear Tire & Rubber Co, Chem Div (P)
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Inter-Coastal Paint Corp (P)
Manhattan Adhesives Corp (P)
Midland Adhesive & Chem Corp (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
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Pierce & Stevens Chem (P)
Rubber & Asbestos Corp (P)
Raybestos-Manhattan (P)
Rubba, Inc (P)
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Burtonite Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
National Rosin Oil Products
►PHILADELPHIA QUARTZ CO (P)
Schelle Chem Corp (P)
Stein Hall & Co (P)

Adhesive Products Corp (P)
American Products Mfg Co (P)
Applied Plastics Div (P)
Axel Plastic Research Labs (P)
B B Chem Co (P)
Borden Chem Co (P)
Carboline Co (P)
Cellcote Co (P)
Chemical Coatings & Engrg Co (P)
Chemical Development Corp (P)
Claremont Pigment Dispersion Corp (P)
Dacar Chem Products (P)
Dayton Chem Products Labs (P)
Devcon Corp (P)
Emkay Chem Co (P)
Benjamin Foster Co (P)
H B Fuller Co (P)
Garan Chem Corp (P)
Gill Chem Products (P)
Goodyear Tire & Rubber Co, Chem Div (P)
H V Hardman Co (P)
Hughes Glue Co (P)
Hukill Chem Corp (P)
Imperial Adhesives (P)
Industrial Adhesive Co (P)
Interchem Corp, Finishes Div (P)
Inter-coastal Paint Corp (P)
Jewel Labs (P)
Lacquer Specialties (P)
Leffingwell Chem Co (P)
Lox Mfg Co (P)
Madison Glue Corp (P)
Manhattan Adhesives Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div (P)
Morningstar-Paisley, Inc (P)
National Casein Co (P)
National Polychems (P)
National Starch & Chem Corp (P)
Neatsfoot Oil Refineries Corp (P)
Pierce & Stevens Chem Corp (P)
Pyroxylin Products (P)
Raybestos-Manhattan (P)
Reynolds Chem Products (P)
Rubba, Inc (P)
Rubber & Asbestos Corp (P)
St Clair Rubber Co (P)
Sauereisen Cements Co (P)
Swift & Co, Adhesive Products Dept (P)
Synco Resins (P)
Trancoa Chem Corp (P)
U B S Chem Corp (P)
United Lacquer Mfg Corp (P)
West Chester Chem Co (P)
Wica Chems (P)

ADHESIVES, SYNTHETIC RESIN see Resins, Adhesive

ADHESIVES, THERMAL FUSION

►DU PONT, ELECTROCHEMS DEPT (P)
General Mills, Chem Div (P)
►JOHNS-MANVILLE (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Stein Hall & Co (P)

Adhesive Products Corp (P)
Aries Labs (P)
B B Chem Co (P)
Boler Petroleum Co (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Claremont Pigment Dispersion Corp (P)
Clarkson Labs (P)
Dacar Chem Products (P)
Dayton Chem Products Labs (P)
H B Fuller Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Hughes Glue Co (P)
Hysol Corp (P)
Imperial Adhesives (P)
Industrial Chem Specialties Co (P)
Inter-coastal Paint Corp (P)
Joy Chem Inc (P)
Leffingwell Chem Co (P)
Manhattan Adhesives Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div (P)
Morningstar-Paisley, Inc (P)
National Polychems (P)
National Starch & Chem Corp (P)
Pyroxylin Products (P)
Raybestos-Manhattan (P)
Reynolds Chem Products Co (P)
Rubba, Inc (P)
Rubber & Asbestos Corp (P)
Sauereisen Cements Co (P)
Socony Mobil Oil Co (P)
Synco Resins (P)
Trancoa Chem Corp (P)
Wica Chems (P)

ADRENOCORTICOTROPIC HORMONE see ACTH

ADSORBENTS

American Oil & Supply Co (P)
Atlas Chem Industries, Chems Div (P)
Barnebey-Cheney Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Floridin Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Pennsalt Chems Corp (P)
L A Salomon & Bro
Summit Mining Corp (P)
Tamms Industries

AIC Chem Co (P)
Aluminum Co of America (P)
American Norit Co (P)
Bio-Rad Labs (P)
Culligan, Inc (P)
Filtrol Corp (P)
W A Hammond Drierite (P)
Inerto Co (P)
National Starch & Chem Corp (P)
Permutit Co (P)
Socony Mobil Oil Co (P)

AEROSOL CONCENTRATES

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT
Fairfield Chems Div (P)
Fisher Scientific Co (P)
Florasynth Labs (P)
Hercules Powder Co (P)
International Flavors & Fragrances (P)
McLaughlin Gormley King Co (P)
►S B PENICK & CO (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Schoilo Chem Corp (P)

Alpine Aromatics (P)
G Barr & Co (P)
Cardinal Chem Co (P)
Chemical Compounding Corp (P)
Felton Chem Co (P)
Fuld Bros (P)
Geigy Agricultural Chem Div (P)
Kaysing Corp (P)
McGee Chem Co (P)
Monroe Sander Corp (P)
National Chem & Plastics Co (P)
Pace Inc (P)
Prentiss Drug & Chem Co (P)
Puritan Aerosol Corp (P)
Rhodia Inc (P)
Shield Chem Co (P)
Sprapak Chems (P)
Uncle Sam Chem Co (P)
United Lacquer Mfg Corp (P)

AEROSOLS, FORMULAS & CONTRACT FILLING

Aeropak, Inc (P)
Trio Chem Works (P)

Aerosol Techniques (P)
Alpine Aromatics (P)
G Barr & Co (P)
Ben Venue Labs (P)
DeSoto Chem Coatings (P)
Fuld Bros (P)
Kaysing Corp (P)
Lawson Chem Products Co (P)
McGee Chem Co (P)
Monroe Sander Corp (P)
National Chem & Plastics Co (P)
Pace Inc (P)
Puritan Aerosol Corp (P)
Plasti-Kote, Inc (P)
Regal Chem Corp (P)
Shield Chem Co (P)
Sprapak Chems (P)

AGAR (Agal, Agar-Agar, Macascar Gum, Bengal, Japanese or Chinese Isinglass, Japanese Gelatin)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
T M Duche & Sons, Uni-Gum Div (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►S B PENICK & CO

American Agar & Chem Co (P)
Hathaway Allied Products (P)
Leffingwell Chem Co (P)
Miller Products Co (P)
Morningstar-Paisley, Inc (P)
Thompson Chems Corp (P)

AGRICULTURAL CHEMICALS

see Insecticides, Fungicides, Weed Killers, Soil Conditioners, etc

AIRCRAFT CHEMICALS

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American Oil & Supply Co (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)
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(Continued)

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Clarkson Labs (P)
Davies-Young Soap Co (P)
E F Drew & Co (P)
Kaysing Corp (P)
Lorenz Chem Co (P)
National Research & Chem Co (P)
Oakite Products (P)
Peninsular Chem-Research (P)
Sumco Products (P)
Wye Industries (P)

AIR DEHUMIDIFIERS

Barnebey-Cheney Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►ULTRA CHEM WORKS DIV (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Culligan, Inc (P)
Davies-Young Soap Co (P)
Electro Chem Co (P)
B R Elk & Co (P)
Filtrol Corp (P)
W A Hammond Drierite (P)
Socony Mobil Oil Co (P)
Swift & Co, Adhesive Products Dept (P)

AIR-ENTRAINING AGENTS see Flotation Agents

ALABASTER see Gypsum

α-ALANINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Pfanstiehl Labs
B F Goodrich Chem Co (P)
Schwarz BioResearch (P)

β-ALANINE

►ABBOTT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hoffman Labs (P)
Industrial Chem & Dye Co
Pfanstiehl Labs

ALBUMIN, BLOOD

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Armour Pharmaceutical Co (P)
Wilson Labs (P)
United Chem & Organic Products (P)

ALBUMIN, EGG (Ovalbumin)

T M Duche & Sons, Uni-Gum Div
Mallinckrodt Chem Works (P)
Fermco Labs (P)
Krishell Labs (P)
Wilson Labs (P)
United Chem & Organic Products (P)

ALBUMIN, MILK (Whey Albumin)

Sheffield Chem Div (P)

ALBUMIN TANNATE

Polychemical Labs (P)

ALCOHOL, ABIETYL

Hercules Powder Co (P)

ALCOHOL, ACETONYL see Acetol

ALCOHOLS, ACETYLENIC

►AIR REDUCTION CHEM & CARBIDE CO (P)
Aldrich Chem Co (P)
Farchan Research Labs (P)

ALCOHOL, ALLYL (Propenol, Propenyl Alcohol)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►SHELL CHEM CO (P)

ALCOHOL, pri.-n-AMYL (1-Pentanol, n-Butyl Carbinol)

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Publicker Industries (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ALCOHOL, sec.-n-AMYL (Methylpropyl Carbinol, 2-Pentanol)

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemsol, Inc
Pennsalt Chems Corp (P)
Brothers Chem Co (P)

ALCOHOL, sec.-AMYL see 3-Pentanol

ALCOHOL, tert.-AMYL (2-Methyl-2-Butanol; Dimethyl Ethyl Carbinol)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp
Clinical Chems Corp (P)

ALCOHOLS, AMYL, MIXED

►ACETO CHEM CO
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Publicker Industries (P)
Stoney-Mueller, Inc
Tar Residuals
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)

ALCOHOL, ANISYL

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
►TRUBEK LABS (P)
Felton Chem Co (P)
Fries Bros (P)

ALCOHOL, ARACHIDYL

►ACETO CHEM CO
Applied Science Labs (P)
M Michel & Co (P)

ALCOHOL, BEHENYL (1-Docosanol)

Applied Science Labs (P)
M Michel & Co (P)

ALCOHOL, BENZYL

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dodge & Olcott
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div
Mercury Chem Corp
►S B PENICK & CO
►TENNESSEE PRODUCTS & CHEM CORP (P)
►TRUBEK LABS (P)
Eastern States Petroleum & Chem Corp (P)
Shulton Inc (P)

ALCOHOL, BORNYL see Borneol

ALCOHOL, 5-BROMOVANILLYL

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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ALCOHOL, n-BUTYL

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
B T Chemco
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Bergstrom Trading Co
R J Brown Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
Fisher Scientific Co (P)
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
Millmaster Chem Corp
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Publicker Industries (P)
Schelle Chem Corp
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)
Washing Chem Corp

ALCOHOL, sec.-BUTYL

American Mineral Spirits Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
DeMert & Dougherty, Inc
►ENJAY CHEM CO (P)
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ALCOHOL, tert.-BUTYL

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemsol Inc
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►SHELL CHEM CO (P)
Tar Residuals

ALCOHOL, BUTYL, MIXED

Chemsol, Inc
►EASTMAN CHEM PRODUCTS (P)
Givaudan-Delawanna (P)
Hatco Chem Div (P)
E & F King & Co
Mercury Chem Corp (P)
Procter & Gamble Co (P)

ALCOHOL, BUTYRIC see Alcohol, n-Butyl

ALCOHOL, CAPRYLIC see Alcohol, n-Octyl, Primary and Secondary

ALCOHOL, CETYL

►ACETO CHEM CO
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CONTINENTAL OIL CO (P)
Croda, Inc
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
Harchem Div, Wallace & Tiernan Inc (P)
Hummel Chem Co
►HUMPHREY-WILKINSON (P)
M Michel & Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Archer-Daniels-Midland Co (P)
Werner G Smith, Inc (P)

ALCOHOL, CHLOROISOPROPYL see Propylene Chlorohydrin

ALCOHOL, CINNAMIC

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Marine Products Co (P)
Rhodia, Inc (P)
Schimmel & Co (P)

ALCOHOL, CROTYL (2-Buten-1-ol, Propenylcarbinol, γ-Methyl-Allyl Alcohol)

Aldrich Chem Co (P)
Borden Chem Co (P)
Edcan Labs (P)
Chemical Intermediates & Research Labs (P)

ALCOHOL, CYCLOPENTYL

Arapahoe Chems (P)
►ELI LILLY & CO, ELANCO DIV (P)
Millmaster Chem Corp

ALCOHOL, n-DECYL

Applied Science Labs (P)
►CONTINENTAL OIL CO (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►HUMPHREY-WILKINSON (P)
M Michel & Co
Rohm & Haas Co (P)

ALCOHOL, pri.-DECYL

Amoco Chems Corp (P)
►ENJAY CHEM CO (P)
►GULF OIL CORP (P)
Mercury Chem Corp (P)

ALCOHOL, DENATURED

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Mineral Spirits Co
American Oil & Supply Co
R J Brown Co
►CHEMICAL SOLVENTS, INC
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
Publicker Industries, Inc (P)
Schelle Chem Corp
►SHELL CHEM CO (P)
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)
Allied Industrial Products Co (P)
Puget Sound Pulp & Timber Co (P)

ALCOHOL, DIACETONE

American Mineral Spirits Co
R J Brown Co
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
Stoney-Mueller, Inc
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ALCOHOL, n-DODECYL see Alcohol, Lauryl

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American Oil & Supply Co
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►COMMERCIAL SOLVENTS CORP (P)
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
E & F King & Co
Mercury Chem Corp
►PEERLESS OIL & CHEM CORP
Publicker Industries (P)
►SHELL CHEM CO (P)
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
Thompson-Hayward Chem Co
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)

Allied Industrial Products Co (P)
Grain Processing Corp (P)
Puget Sound Pulp & Timber Co (P)

ALCOHOL, ETHYL, ABSOLUTE

►COMMERCIAL SOLVENTS CORP (P)
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Publicker Industries (P)
Schelle Chem Corp
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)
Allied Industrial Products Co (P)

ALCOHOL, 2-ETHYLBUTYL

Henley & Co
Mercury Chem Corp (P)
Union Carbide Chems Co (P)

ALCOHOL, ETHYLENE see Ethylene Glycol

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Kingsport, Tenn.—**CIrcle 6-2111**
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ALCOHOL, 2-ETHYLHEXYL

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►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
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ALCOHOL, 2-ETHYLISOHEXYL

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ALCOHOLS, FATTY

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Procter & Gamble Co (P)
Werner G Smith, Inc (P)
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ALCOHOLS, FATTY, HIGHER

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M Michel & Co
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►QUAKER OATS CO (P)
Furane Plastics (P)

ALCOHOL, GLYCYL see Glycerine

ALCOHOL, GRAIN see Alcohol, Ethyl

ALCOHOL, HEPTADECYL

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International Selling Corp
Union Carbide Chems Co (P)
Robinson Wagner Co (P)

ALCOHOL, n-HEPTYL see 1-Heptanol

ALCOHOL, n-HEXADECYL see Alcohol, Cetyl

ALCOHOL, n-HEXYL (Hexanol)

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ALCOHOL, HYDROABIETYL

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ALCOHOL, o-HYDROXYBENZYL see Saligenin

ALCOHOL, ISOAMYL (Isobutyl Carbinol)

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►ENJAY CHEM CO (P)
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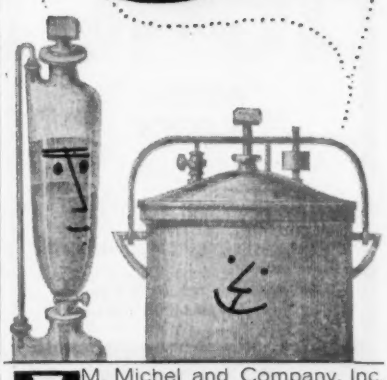
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ALCOHOL, γ-METHYLALLYL

see Alcohol, Crotyl

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ALCOHOL, α-METHYL BENZYL see Alcohol, Styralyl

ALCOHOL, MYRISTYL

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Harchem Div, Wallace & Tiernan Inc (P)
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M Michel & Co (P)
Rohm & Haas Co (P)

ALCOHOL, NONYL see Alcohol, 3,5,5-Trimethylhexyl

ALCOHOL, n-NONYL

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Chemical Mfg Co
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ALCOHOLS, NONYL, MIXED

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Felton Chem Co (P)

ALCOHOL, n-OCTADECYL see Alcohol, Stearyl

ALCOHOL, OCTYL see Alcohol, n-Octyl, Primary and Secondary; Alcohol, 2-Ethylhexyl

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Fritzsche Bros
Givaudan-Delawanna (P)
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ALCOHOL, PROPIOLIC see Alcohol, Propargyl

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Washine Chem Corp

Eastern States Petroleum & Chem Corp (P)

ALCOHOL, SALICYL see Saligenin

ALCOHOL, SESQUITERPENE see Cedrol

ALCOHOL, STEARYL (Octadecanol, n-Octadecyl Alcohol)

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►CONTINENTAL OIL CO (P)
Croda, Inc
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►R W GREEFF & CO
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Treplow Chem Co (P)

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ALCOHOL, n-TETRADECYL see Alcohol, Myristyl

ALCOHOL, TETRAHYDROFURFURYL

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ALCOHOL, TRICHLORO-tert.-BUTYL see Chlorobutanol

ALCOHOL, TRIDECYL

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ALCOHOL, TRIMETHYL NONYL

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Givaudan-Delawanna (P)

ALCOHOL, UNDECYLENYL

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Givaudan-Delawanna (P)

ALCOHOL, WOOD see Alcohol, Methyl

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Amalgamated Chem Corp (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Britex Corp (P)
Continental Chem Co (P)
Dewey & Almy Chem Div (P)
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Tanatex Chem Corp (P)
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Wica Chems (P)

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Barlow Chem Corp (P)

ALKYL DIETHYL MALONATES

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Intex Chem Corp (P)
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Treplow Chem Co (P)
Var-Lac-Oid Chem Co (P)

ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDES see Benzalkonium Chloride

ALKYL DIMETHYL DICHLOROBENZYL AMMONIUM CHLORIDES, HIGHER

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ALKYL EPOXY-STEARATE

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
M Michel & Co
►ONYX CHEM CORP (P)
Patent Chems (P)

Emkay Chem Co (P)
New York Color & Chem Co (P)
Petrochemicals Co (P)
Warwick Chem Div (P)
Jacques Wolf & Co (P)

ALKYL PHOSPHITES

►HOOKER CHEM CORP (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

Montrose Chem Co (P)

ALKYL PHOSPHONATES

►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Montrose Chem Co (P)

ALLANTOIN

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)
Gane's Chem Works (P)
►R W GREEFF & CO
Hoffman Labs (P)
Schuylkill Chem Co (P)
Specific Pharmaceuticals, Chemetron Corp (P)

Roselle Labs (P)

ALLANTOIN SALTS

Schuylkill Chem Co (P)

ALLETHRIN

►BAIRD CHEM INDUSTRIES, INC
►BENZOL PRODUCTS CO (P)
Fairfield Chems Div (P)
McLaughlin Gormley King Co
►S B PENICK & CO
Trio Chem Works (P)

Prentiss Drug & Chem Co (P)

ALLOXAN (Mesoxalylurea)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

Cohelfred Labs (P)
Edcan Labs (P)
Roselle Labs (P)

ALLOXANTIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

Pierce Chem Co (P)
Roselle Labs (P)

ALLYL ACETONE

Aldrich Chem Co (P)
►BENZOL PRODUCTS CO (P)

FMC Corp, Chems & Plastics Div (P)
Borden Chem Co (P)

ALLYL ACRYLATE

Sartomer Resins, Inc (P)

Borden Chem Co (P)

ALLYL ALDEHYDE see Acrolein

ALLYL AMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Morton Chem Co
►SHELL CHEM CO (P)

Borden Chem Co (P)
Freeman Industries (P)
Marblette Corp (P)

ALLYL BROMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Fisher Scientific Co (P)
Michigan Chem Corp (P)

Borden Chem Co (P)

ALLYL CAPROATE

Applied Science Labs (P)
Fairmount Chem Co (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO

Borden Chem Co (P)
Felton Chem Co (P)
Kaplop Labs (P)

ALLYL CAPRYLATE

Applied Science Labs (P)
Fairmount Chem Co (P)
Florasynth Labs

Borden Chem Co (P)
Felton Chem Co (P)
Kaplop Labs (P)

ALLYL CHLORIDE (Chloroallylene, Trichloropropene, α-Monochloropropylene)

Dow Chem Co (P)
►SHELL CHEM CO (P)

Borden Chem Co (P)
Kaplop Labs (P)

ALLYL CROTONATE

Borden Chem Co (P)
Kaplop Labs (P)

ALLYL CYANIDE

►ACETO CHEM CO (P)
Faesy & Besthoff
K & K Labs
Roberts Chems, Inc (P)

Borden Chem Co (P)
Kaplop Labs (P)

ALLYL CYCLOHEXYLPROPIONATE

Dow Chem Co (P)
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Borden Chem Co (P) Fries Bros (P)

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Union Carbide Chems Co (P)

ALLYL ISOTHIOCYANATE (Allyl Isosulfocyanate, Volatile Oil or Mustard)

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►R W GREEFF & CO
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ALLYL ISOVALERATE

Fairmount Chem Co (P)
Fritzsche Bros (P)

Borden Chem Co (P)

ALLYL MERCAPTAN (Allyl Sulfhydrate, 2-Propene-1-Thiol)

Aldrich Chem Co (P)
Fritzsche Bros

Borden Chem Co (P) Felton Chem Co (P)
Cohelfred Labs (P) Kaplop Labs (P)

ALLYL METHACRYLATE

Sartomer Resins, Inc (P)

Borden Chem Co (P)

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►BENZOL PRODUCTS CO (P)

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Reagent
FERROUS AMMONIUM SULFATE,
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SODIUM ALUMINUM SULFATE
(Soda Alum)
ALUMINUM CHLORIDE, Solution
ALUMINUM FLUORIDE

Allied Chemical

GENERAL CHEMICAL DIVISION
40 RECTOR STREET, NEW YORK 6, N. Y.
Offices in Principal Cities —
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ALLYL PROPIONATE

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Borden Chem Co (P) Kaplop Labs (P)
Fries Bros (P)

ALLYL SULFIDE

Aldrich Chem Co (P)
K & K Labs

Borden Chem Co (P) Wateree Chem Co (P)
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►R W GREEFF & CO

Borden Chem Co (P) Fries Bros (P)

ALLYL UREA

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Borden Chem Co (P) Cohelfred Labs (P)
Chemicals Procurement Labs (P) Freeman Industries (P)

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Magnus, Mabee & Reynard (P)

ALMOND OIL see Oil, Almond

ALMOND, SWEET

Florasynth Labs

Magnus, Mabee & Reynard (P)

ALOIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Meer Corp (P)
►S B PENICK & CO (P)

ALPHENYL see Acid, 5-Allyl-5-Phenylbarbituric

ALUM, AMMONIA (Aluminum Ammonium Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Chemical Mfg Co
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Glebe Chem Co
M W Hardy & Co
►HARSHAW CHEM CO
►JONES CHEMS, INC
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co
Charles A Wagner Co

ALUM, AMMONIA CHROME (Chromium Ammonium Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp

Fiber Chem Corp (P)

ALUM, BURNT (Exsiccated Aluminum Ammonium Sulfate or Aluminum Potassium Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Mallinckrodt Chem Works (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►STAUFFER CHEM CO (P)
Tar Residuals Inc (P)

ALUM, CHROME see Alum, Potash Chrome

ALUM FLOWERS see Alum, Potash

ALUM MEAL see Alum, Potash

ALUM, PAPERMAKERS' see Aluminum Sulfate

ALUM, POTASH (Alum, Alum Flowers, Alum Meal, Cube Alum, Aluminum Potassium Sulfate, Burnt Alum)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Chemical Mfg Co
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
M W Hardy & Co
►HARSHAW CHEM CO
Philip A Hunt Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co

ALUM, POTASH CHROME (Chromium Potassium Sulfate, Chrome Alum)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Philip A Hunt Co
Mallinckrodt Chem Works (P)
Millmaster Chem Corp

Fiber Chem Corp (P)

ALUM, SODIUM (Aluminum Sodium Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BERKSHIRE CHEMS INC
Chemical Mfg Co

ALUMINA see Aluminum Oxide

ALUMINA, ACTIVATED

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
International Selling Corp
►REYNOLDS METALS CO (P)

Aluminum Co of America (P) Filtrol Corp (P)
Bio-Rad Labs (P) Kaiser Refractories & Chems Div (P)

ALUMINA, CALCINED

Aluminium Limited Sales
M W Hardy & Co
►HARSHAW CHEM CO (P)
International Selling Corp
Pennsalt Chems Corp (P)
►REYNOLDS METALS CO (P)

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Aluminum Co of America (P)
Bio-Rad Labs (P)
Filtrol Corp (P)
Kaiser Refractories & Chems Div (P)

ALUMINA, HYDRATED—see also Alumina Trihydrate

Aluminium Limited Sales
Diamond Alkali Co (P)
M W Hardy & Co
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
Merck Marine Magnesium Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS, CHEM DIV (P)
►REYNOLDS METALS CO (P)
E M Sergeant Pulp & Chem Co
Whittaker, Clark & Daniels

Aluminum Co of America (P)
Bio-Rad Labs (P)
Filtrol Corp (P)
Kaiser Refractories & Chems Div (P)

ALUMINA, LOW SODA

Aluminium Limited Sales
►REYNOLDS METALS CO (P)
►VITRO CHEM CO (P)
Whittaker, Clark & Daniels

Aluminum Co of America (P)
Bio-Rad Labs (P)
Filtrol Corp (P)
Kaiser Refractories & Chems Div (P)

ALUMINA, TRIHYDRATE

Aluminium Limited Sales
►HARSHAW CHEM CO
Merck Marine Magnesium Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Pennsalt Chems Corp (P)
►REYNOLDS METALS CO (P)

Aluminum Co of America (P)
Bio-Rad Labs (P)
Filtrol Corp (P)
Kaiser Refractories & Chems Div (P)

ALUMINUM ACETATE, BASIC (Mordant Salt, Waterproofing Salts, Red Liquor, Oil Pulp, Printers' Acetate)

Mallinckrodt Chem Works (P)
Union Carbide Chems Co (P)

ALUMINUM ACETATE, NORMAL

Filo Color & Chem Corp (P)

Jacques Wolf & Co (P)

ALUMINUM ACETYLACETONATE

►ACETO CHEM CO
City Chem Corp (P)
►HARSHAW CHEM CO (P)

MacKenzie Chem Works (P)
Chattem Chems (P)

ALUMINUM ACID PHOSPHATE

►VICTOR CHEM WORKS (P)

ALUMINUM p-AMINOBENZOATE

Premium Chems (P)

ALUMINUM AMMONIUM SULFATE see Alum, Ammonia

ALUMINUM BENZOATE

City Chem Corp (P)

Mathe Chem Co (P)
Premium Chems (P)

ALUMINUM BORATE

City Chem Corp (P)

ALUMINUM BROMIDE, ANHYDROUS

Michigan Chem Corp (P)

Kaplop Labs (P)
Xanthippe Chems (P)

ALUMINUM BUTOXIDES

►ACETO CHEM CO (P)
►HARSHAW CHEM CO (P)

Chattem Chems (P)

ALUMINUM tert.-BUTYLATE

►ACETO CHEM CO (P)
Eastern Chem Corp (P)

Chattem Chems (P)

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►BAIRD CHEM INDUSTRIES, INC
City Chem Corp
Var-Lac-Old Chem Co (P)

Union Carbide Metals Co (P)

ALUMINUM CHLORIDE (Aluminum Chloride, Hexahydrate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Pearsall Chem Corp (P)
Prior Chem Corp
J U Starkweather Co
►STAUFFER CHEM CO (P)
Joseph Turner & Co

Jordan Co (P)

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Jordan Co (P)
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City Chem Corp (P)

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Olin Mathieson Chem Corp, Blockson Chems (P)
►REYNOLDS METALS CO (P)
►STAUFFER CHEM CO (P)

Aluminum Co of America (P)
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ALUMINUM FORMATE, BASIC

►ACETO CHEM CO
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Eastern Color & Chem Co (P)
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ALUMINUM HYDROXIDE see Alumina, Hydrated and Alumina, Trihydrate

ALUMINUM HYDROXIDE, COLLOIDAL GEL

Gallard-Schlesinger Chem Mfg Corp
Merck Marine Magnesium Div (P)
Whittaker, Clark & Daniels

Bio-Rad Labs (P)
Roselle Labs (P)
Reheis Co (P)
Waverly Chem Co (P)

ALUMINUM IODIDE

Gallard-Schlesinger Chem Mfg Corp (P)

Andor Labs (P)

ALUMINUM IODIDE, ANHYDROUS

City Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)

Andor Labs (P)
Kaplop Labs (P)

ALUMINUM ISOPROPYLATE

Fairmount Chem Co (P)
►HARSHAW CHEM CO (P)

Anderson Chem Div (P)
Waverly Chem Co (P)
Chattem Chems (P)

ALUMINUM LACTATE

►ACETO CHEM CO (P)

Polychemical Labs (P)
Tennant Chem Div (P)
Premium Chems (P)
Waverly Chem Co (P)
Roselle Labs (P)

ALUMINUM LAURATE

►HARSHAW CHEM CO (P)
►WITCO CHEM CO (P)

ALUMINUM LINOLEATE

►WITCO CHEM CO (P)

Chattem Chems (P)
Shepherd Chem Co (P)
Leffingwell Chem Co (P)

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Aluminium Limited Sales
Belmont Smelting & Refining Works (P)
International Selling Corp
Mallinckrodt Chem Works (P)
►REYNOLDS METALS CO (P)

Aluminum Co of America (P)
Bram Metallurgical-Chem Co (P)
American Smelting & Refining Co (P)
Vanadium Corp of America (P)
Reading Chems (P)

ALUMINUM NAPHTHENATE

Advance Solvents & Chem Div (P)
Premium Chems (P)
Leffingwell Chem Co (P)
Shepherd Chem Co (P)
McGean Chem Co (P)
Troy Chem Co (P)

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►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)

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►ACETO CHEM CO
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
M W Parsons-Plymouth
►WITCO CHEM CO (P)

Chattem Chems (P)
McGean Chem Co (P)
Leffingwell Chem Co (P)
Shepherd Chem Co (P)
Mathe Chem Co (P)
Troy Chem Co (P)

ALUMINUM OLEATE

M W Parson-Plymouth (P)
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Chattem Chems (P)
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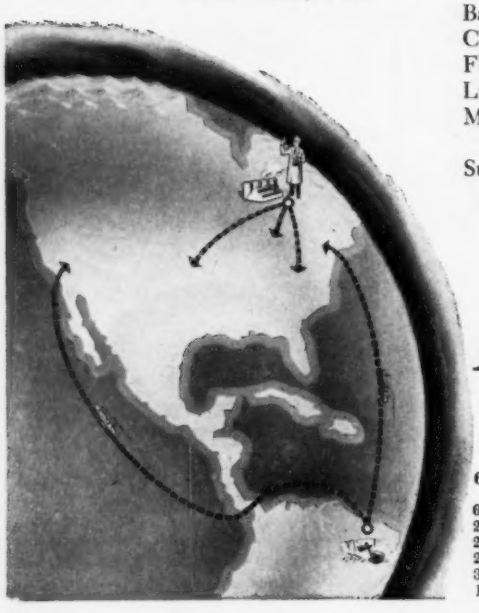
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Premium Chems (P)

ALUMINUM OXIDE (Alumina Corundum)

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Aluminium Limited Sales
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
►REYNOLDS METALS CO (P)
►VITRO CHEM CO (P)
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Kaiser Refractories & Chems Div (P)
Mackiln Co (P)

ALUMINUM OXIDE, HYDRATED see Alumina, Hydrated and Bauxite

ALUMINUM PALMITATE

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►NOPCO CHEM CO (P)
Nuodex Products Co (P)
M W Parsons-Plymouth (P)
Whittaker, Clark & Daniels
►WITCO CHEM CO (P)

Leffingwell Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)

ALUMINUM PASTE

Aluminium Limited Sales
Argus Chem Corp (P)
Chemsol, Inc
Harwick Standard Chem Co
Hummel Chem Co
►REYNOLDS METALS CO (P)

Aluminum Co of America (P)

ALUMINUM PHENOLSULFONATE

►ACETO CHEM CO
Harwick Standard Chem Co
Mallinckrodt Chem Works (P)

Premium Chems (P)
Waverly Chem Co (P)

ALUMINUM PHOSPHATE, MONOBASIC

►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

ALUMINUM PHOSPHATE, TRIBASIC

Mallinckrodt Chem Works (P)
Joseph Turner & Co (P)
►VICTOR CHEM WORKS (P)

ALUMINUM m-PHOSPHATE

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Reade Mfg Co (P)

ALUMINUM PIGMENTS see Aluminum Powder

ALUMINUM POTASSIUM SULFATE see Alum, Potash

ALUMINUM POWDER (Aluminum Flake)

Aluminium Limited Sales
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Mallinckrodt Chem Works (P)
►REYNOLDS METALS CO (P)
Shwayder Chem Metallurgy Corp (P)
Tar Residuals
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Aluminum Co of America (P)
Atlantic Powdered Metals (P)
Hummel Chem Co (P)
Claremont Pigment Dispersion Corp (P)
Gold Leaf & Metallic Powders (P)
Reade Mfg Co (P)

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►HARSHAW CHEM CO (P)
►WITCO CHEM CO (P)

J Meyer & Sons (P)
Shepherd Chem Co (P)

ALUMINUM RICINOLEATE

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Nuodex Products Co (P)

Leffingwell Chem Co (P)
Premium Chems (P)

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►MINERALS & CHEMS PHILIPP CORP (P)
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Summit Mining Corp (P)
Tamms Industries
Charles A Wagner Co
Whittaker, Clark & Daniels

Edgar Plastic Kaolin Co (P)
Kenite Corp (P)
Mineralite Sales Corp (P)
Permutit Co (P)
Southeastern Clay Co (P)
Waverly Chem Co (P)

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►JONES CHEMS, INC

ALUMINUM SODIUM SULFATE see Alum, Sodium

►ACETO CHEM CO

ALUMINUM STEARATE

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►R W GREEFF & CO
►HARSHAW CHEM CO (P)
Howe & French
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►NOPCO CHEM CO (P)
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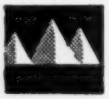
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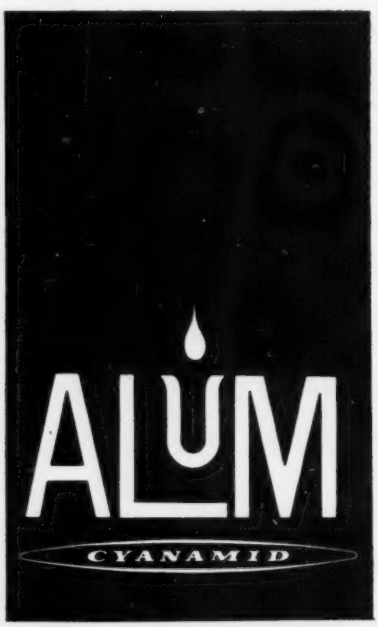
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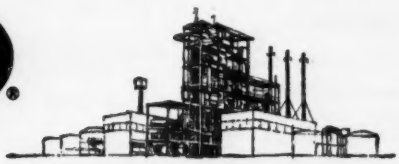
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AMINOBENZENE see Aniline

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Ortho Div (P)
Phillips Chem Co (P)
Sohio Chem Co (P)
Spencer Chem Co (P)
Texaco Inc (P)
Western Chem & Mfg (P)

AMMONIAC see Gum Ammoniac

AMMONIA CRYSTALS see Ammonium Carbonate

AMMONIA WATER see Ammonia, Aqua

AMMONIO-CUPRIC SULFATE see Copper Ammonium Sulfate

AMMONIO-FERRIC CITRATE see Iron Ammonium Citrate

AMMONIO-FERRIC OXALATE see Iron Ammonium Oxalate

AMMONIO-FERRIC SULFATE see Iron Ammonium Sulfate

AMMONIO-FORMALDEHYDE see Hexamethylenetetramine

AMMONIUM ACETATE

►ACETO CHEM CO (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Flo Color & Chem Corp (P)
Fisher Scientific Co (P)
Heico, Inc (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
Troy Chem Co (P)

AMMONIUM ALGINATE

►BAIRD CHEM INDUSTRIES, INC
Creda, Inc
Kelco Co (P)
Marine Colloids (P)
Edward Mendell Co (P)

AMMONIUM BENZOATE

Heico, Inc (P)
►MONSANTO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Premium Chems (P)

AMMONIUM BIBORATE see Ammonium Borate

AMMONIUM BICARBONATE (Acid Ammonium Carbonate, Ammonium Hydrogen Carbonate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

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INDUSTRIAL AMMONIA
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NITRIC ACID
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Reagent & Purified

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- Lead Acetate, Reagent, N.F. & Technical
- Mercuric Acetate, Reagent
- Potassium Acetate, Reagent & N.F.
- Sodium Acetate, Reagent & N.F.
- Zinc Acetate, Reagent & Technical

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Globe Chem Co
►HARSHAW CHEM CO
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►JONES CHEMS, INC
Lotte Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
Revelli Chems, Inc
George Uhe Co

AMMONIUM BICHROMATE see Ammonium Dichromate

AMMONIUM BIFLUORIDE (Hydrogen Ammonium Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Chemical Mfg Co
►HARSHAW CHEM CO (P)
Interstate Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
Pfaltz & Bauer, Inc
Henry Sundheimer Co
Thompson-Hayward Chem Co

AMMONIUM BINOXALATE (Acid Ammonium Oxalate, Ammonium Hydrogen Oxalate)

City Chem Corp (P)

AMMONIUM BIPHOSPHATE see Ammonium Phosphate, Monobasic

AMMONIUM BISULFATE

Heico, Inc (P)

AMMONIUM BISULFITE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)

AMMONIUM BORATE (Ammonium Biborate, Ammonium Acid Tetraborate)

►McKESSON & ROBBINS, CHEM DEPT
U S Borax (P)
Premium Chems (P)

AMMONIUM BOROFLUORIDE see Ammonium Fluoborate

AMMONIUM BROMIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Dow Chem Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Michigan Chem Corp (P)
Morton Chem Co (P)
►S B PENICK & CO, NYQ CHEM DIV
Chas Pfizer & Co (P)

AMMONIUM CARBONATE (Ammonia Crystals, Hartshorn Salts)

►AMERICAN AGRICULTURAL CHEM CO (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Firstoline Corp
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Chemical Mfg Co
►HARSHAW CHEM CO
Lotte Chem Corp
Mallinckrodt Chem Works (P)

AMMONIUM CASEINATE

Sheffield Chem Div (P)
Emkay Chem Co (P)
National Casein Co (P)
Wica Chems (P)

AMMONIUM CHLORIDE (Sal Ammoniac, Ammonium Muriate, Salimac)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Chemical Mfg Co
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Howe & French
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Pennsalt Chems Corp (P)
Schuylkill Chem Co (P)
J U Starkweather Co
Thompson-Hayward Chem Co
Joseph Turner & Co
George Uhe Co
Geo Callahan & Co (P)
Jordan Co (P)

AMMONIUM CHROMATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Fiber Chem Corp (P)

AMMONIUM CITRATE, DIBASIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)
Premium Chems (P)

AMMONIUM DICHROMATE (Ammonium Bichromate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Heico, Inc (P)
Philip A Hunt Co
Interstate Chem Corp
Mallinckrodt Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Fiber Chem Corp (P)

AMMONIUM O,O-DIETHYL PHOSPHORODITHIOATE

►MONSANTO CHEM CO (P)

AMMONIUM ETHYLENE BISDITHIOCARBAMATE

Faesy & Besthoff

AMMONIUM ETHYL PHOSPHATE

►VICTOR CHEM WORKS (P)
Beacon Chem Industries (P)

AMMONIUM FERROCYANIDE

City Chem Corp (P)
Filo Color & Chem Corp (P)

AMMONIUM FLUOBORATE (Ammonium Borofluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Kawecki Chem Co (P)

AMMONIUM FLUORIDE (Meat Salt)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Heico, Inc (P)
Interstate Chem Corp

AMMONIUM FORMATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
Washine Chem Corp (P)
Andor Labs (P)
Caribou Chem Co (P)
Hexagon Labs (P)
Tennant Chem Div (P)

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►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)

AMMONIUM HEXAFLUORO-PHOSPHATE

Ozark-Mahoning Co (P)

AMMONIUM HYDRATE see Ammonia, Aqua

AMMONIUM HYDROGEN CARBONATE see Ammonium Bicarbonate

AMMONIUM HYDROXIDE see Ammonia, Aqua

AMMONIUM HYPOPHOSPHITE

Heico, Inc (P)
Pfaltz & Bauer, Inc

AMMONIUM IODIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
Gallard-Schlesinger Chem Mfg Corp (P)
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- Ammonium-Sodium Sulfate, Purified
- Ammonium Sulfamate, Technical
- Ammonium Sulfate, Reagent & Purified
- Ammonium Sulfide, Reagent & Technical
- Ammonium Sulfite, Purified
- Ammonium Thiocyanate, Purified & Technical
- Ammonium-Sodium Thiosulfate, Anhy., Photographic & Purified
- Ammonium Thiosulfate, 60% Solution
- Ammonium Thiosulfate, Anhy.

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AMMONIUM LACTATE

City Chem Corp (P)

Premium Chems (P)
Tanatex Chem Corp (P)
Tennant Chem Div (P)

AMMONIUM LAURATE, ANHYDROUS

City Chem Corp (P)

E F Drew & Co (P)
Hodag Chem Corp (P)

AMMONIUM LAURYL SULFATE

►ACETO CHEM CO
►DU PONT, DYES & CHEMS DIV (P)
M Michel & Co (P)
►ONYX CHEM CORP (P)
Process Chems Co (P)
Treplow Chem Co (P)

American Alcolac Corp (P)
Continental Chem Co (P)
Procter & Gamble Co (P)
Stepan Chem Co, Industrial Chems Div (P)

AMMONIUM LIGNIN SULFONATE

►McKESSON & ROBBINS, CHEM DEPT
Crown Zellerbach Corp (P)

AMMONIUM LINOLEATE

Beacon Chem Industries (P)
E F Drew & Co (P)
Hodag Chem Corp (P)
Premium Chems (P)
Shepherd Chem Co (P)

AMMONIUM MANDELATE

RITA Chem Corp

AMMONIUM MOLYBDATE (Basic Molybdate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Climax Molybdenum Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Prior Chem Corp
Var-Lac-Old Chem Co (P)

North Metal & Chem Co (P)
Premium Chems (P)
S W Shattuck Chem Co (P)
Sylvania Elec Products (P)

AMMONIUM MOLYBDO PHOSPHATE

Var-Lac-Old Chem Co (P)

Bio-Rad Labs (P)
Sohio Chem Co (P)

AMMONIUM MURIATE see Ammonium Chloride

AMMONIUM NITRATE, CRYSTALS

►ALLIED CHEM CORP, NITROGEN DIV (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, EXPLOSIVES DEPT (P)
Fisher Scientific Co (P)
Hercules Powder Co (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Smith-Douglass Co

Apache Powder Co (P)
Collier Carbon & Chem Corp (P)
Escambia Chem Corp (P)
Ketona Chem Corp (P)
Phillips Chem Co (P)
Olin Mathieson Chem Corp, Plant Food (P)
Spencer Chem Co (P)
Trojan Powder Co (P)
U S Steel Corp

AMMONIUM NITRATE, SOLUTION

►ALLIED CHEM CORP, NITROGEN DIV (P)
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, EXPLOSIVES DEPT (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
►SINCLAIR PETROCHEMS (P)
►U S INDUSTRIAL CHEMS CO (P)

American Oil Co (P)
Apache Powder Co (P)
Collier Carbon & Chem Corp (P)
Phillips Chem Co (P)
Spencer Chem Co (P)
Texaco Inc (P)
U S Steel Corp (P)

AMMONIUM OLEATE (Ammonia Soap)

Heico, Inc (P)

Beacon Chem Industries (P)
E F Drew & Co (P)
Hodag Chem Corp (P)
Leffingwell Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)
Wica Chems (P)

AMMONIUM OXALATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)

Premium Chems (P)

AMMONIUM PALMITATE

Beacon Chem Industries (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)
Premium Chems (P)

AMMONIUM PENTABORATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
U S Borax (P)

AMMONIUM PERCHLORATE

►AMERICAN POTASH & CHEM CORP (P)
B T Chemco
Bergstrom Trading Co
Heico, Inc (P)
International Selling Corp
Mercer Chem Corp
Pennsalt Chems Corp (P)

HEF, Inc (P)

AMMONIUM PERSULFATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BECCO CHEM DIV (P)
►BERKSHIRE CHEMS INC
Heico, Inc (P)
Interstate Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
Pennsalt Chems Corp (P)
Saminco Corp
E M Sergeant Pulp & Chem Co
Joseph Turner & Co

AMMONIUM PHOSPHATE, DIBASIC (sec.-Ammonium Phosphate, Hydrogen Diammonium Phosphate, Diammonium o-Phosphate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
Globe Chem Co
Heico, Inc (P)
Howe & French
E & F King & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►SHELL CHEM CO
Tennessee Corp (P)
►VICTOR CHEM WORKS (P)

Colorado Fuel & Iron Corp (P)
Mora Chem Corp (P)

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AMMONIUM PHOSPHATE, HEMIBASIC

Collier Carbon & Chem Corp (P)

AMMONIUM PHOSPHATE, MONOBASIC (Primary Ammonium Phosphate, Ammonium Biphosphate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
Globe Chem Co
Heico, Inc (P)
Howe & French
E & F King & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►SHELL CHEM CO (P)
►VICTOR CHEM WORKS (P)

Collier Carbon & Chem Corp (P)
Olin Mathieson Chem Corp, Plant Food (P)

AMMONIUM PHOSPHATE, PRIMARY see Ammonium Phosphate, Monobasic

AMMONIUM PHOSPHATE, SECONDARY see Ammonium Phosphate, Dibasic

AMMONIUM PHOSPHITE

City Chem Corp (P)
Heico, Inc (P)

AMMONIUM POLYSULFIDE

Heico, Inc (P)

AMMONIUM RHODANIDE see Ammonium Thiocyanate

AMMONIUM RICINOLEATE

Baker Castor Oil Co (P)

Beacon Chem Industries (P)
Hodag Chem Corp (P)
Premium Chems (P)
Seaboard Chems (P)

AMMONIUM SALICYLATE

►S B PENICK & CO, NYQ CHEM DIV

AMMONIUM SELENATE

Var-Lac-Old Chem Co (P)

AMMONIUM SELENITE

City Chem Corp (P)
Var-Lac-Old Chem Co (P)

AMMONIUM SILICOFLUORIDE

►AMERICAN AGRICULTURAL CHEM CO (P)
Croton Chem Corp
►DAVISON CHEM DIV (P)
►HARSHAW CHEM CO
►McKESSON & ROBBINS, CHEM DEPT
Henry Sundheimer Co
Thompson-Hayward Chem Co

AMMONIUM SOAP see Ammonium Oleate, Ammonium Stearate, etc

AMMONIUM STEARATE

Heico, Inc (P)
►NOPCO CHEM CO (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
Crown Chem Corp (P)
E F Drew Co (P)
Hodag Chem Corp (P)
Leffingwell Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

AMMONIUM SUCCINATE

City Chem Corp (P)

Premium Chems (P)

AMMONIUM SULFAMATE

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fine Organics (P)
Heico, Inc (P)

AMMONIUM SULFATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Chempar Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Heico, Inc (P)
Hercules Powder Co (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Nitrogen Products, Inc
Opalco Lab
Rohm & Haas Co (P)
Schuylkill Chem Co (P)
E M Sergeant Pulp & Chem Co
►SHELL CHEM CO (P)
Smith-Douglass Co
►TENNESSEE PRODUCTS & CHEM CORP (P)
United States Pipe & Foundry Co (P)

Alabama By-Products Corp (P)
Bethlehem Steel Co (P)
Collier Carbon & Chem Corp (P)
Donner-Hanna Coke Corp (P)
Filtrol Corp (P)
Jones & Laughlin Steel Corp (P)
Inland Steel Co (P)
Koppers Co, Gas & Coke Div (P)
Olin Mathieson Chem Corp Plant Food (P)
Ortho Div (P)
Northern Chem Industries (P)
Phillips Chem Co (P)
Troy Chem Co (P)

AMMONIUM SULFIDE SOLUTION

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Chemical Products Corp (Ga) (P)
Fisher Scientific Co (P)
Halby Chem Co (P)

Heico, Inc (P)
Mallinckrodt Chem Works (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)

Collier Carbon & Chem Corp (P)
Standard Ultramarine & Color Co (P)

AMMONIUM SULFITE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Halby Chem Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)

AMMONIUM SULFOCARBOLATE see Ammonium p-Phenolsulfonate

AMMONIUM SULFOCYANIDE see Ammonium Thiocyanate

AMMONIUM SULFONATE (Ammonium Benzenesulfonate)

►BRYTON CHEM CO (P)
Heico, Inc (P)
Sole Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)

Emkay Chem Co (P)

AMMONIUM SULFORICINOLEATE

Beacon Chem Industries (P)

AMMONIUM TARTRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Gane's Chem Works (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)

Premium Chems (P)

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Ammonium Sulphate
Ammonia Liquor

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BENZOL
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AMMONIUM SULFITE
Purified

AVAILABLE IN TONNAGE QUANTITIES

Other Heico Ammonium-Sulfur Compounds:

- Ammonium Bisulfate, Purified
- Ammonium Bisulfite, Purified
- Ammonium Persulfate, Purified
- Ammonium Polysulfide, Reagent & Technical
- Ammonium-Sodium Sulfate, Purified
- Ammonium Sulfamate, Technical
- Ammonium Sulfate, Reagent & Purified
- Ammonium Sulfide, Reagent & Technical
- Ammonium Thiocyanate, Purified & Technical
- Ammonium-Sodium Thiosulfate, Anhy., Photographic & Purified
- Ammonium Thiosulfate, 60% Solution
- Ammonium Thiosulfate, Anhy.

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STROUDSBURG • PENNSYLVANIA

AMMONIUM THIOCYANATE (Ammonium Sulfocyanide, Ammonium Rhodanide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Browning Chem Corp
Fisher Scientific Co
Halby Chem Co (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
Pfaltz & Bauer, Inc

AMMONIUM THIOGLYCOLATE

►EVANS CHEMETICS (P)
Fairmount Chem Co (P)
Midland Tar Distillers

Halby Products Co (P)

AMMONIUM THIOSULFATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
Fisher Scientific Co
Heico, Inc (P)
Hostachem Corp
Philip A Hunt Co
Industrial Raw Materials Corp
Interstate Chem Corp
Morton Chem Co (P)

North Metal & Chem Co (P)

AMMONIUM TUNGSTATE

Var-Lac-Old Chem Co (P)

Sylvania Electric Products (P)

AMMONIUM VALERATE (Ammonium Isovalerate)

Fairmount Chem Co (P)

Premium Chems (P)

AMMONIUM m-VANADATE (Ammonium Vanadate)

City Chem Corp
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)
Wood Ridge Chem Corp (P)

Vanadium Corp of America (P)

AMOBARBITAL

►BENZOL PRODUCTS CO (P)
Gane's Chem Works
►R W GREEFF & CO
►ELI LILLY & CO, ELANCO DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
George Uhe Co

Biorganic Labs (P)

AMOBARBITAL SODIUM

►ELI LILLY & CO, ELANCO DIV (P)
Gane's Chem Works (P)
►R W GREEFF & CO
►McKESSON & ROBBINS, CHEM DEPT
George Uhe Co

Biorganic Labs (P)

AMPHETAMINE

Arenol Chem Corp (P)
Biorganic Labs (P)
Hexagon Labs (P)
Roselle Labs (P)

AMPHETAMINE SALTS

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
J H DeLamar & Son
►R W GREEFF & CO
George Uhe Co

Arenol Chem Corp (P)
Hexagon Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

AMPHIBOLE see Asbestos, Amphibole

n-AMYL ACETATE (Banana Oil, Amylacetic Ester, n-Pentyl Acetate)

American Mineral Spirits Co
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp (P)
Fallek Chem Corp
Florasynth Labs
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Publicker Industries (P)
Scholle Chem Corp
J U Starkweather Co
Stoney-Mueller Inc
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

sec.-AMYL ACETATE

Stoney-Mueller, Inc

Felton Chem Co (P)

AMYL ACETATES, MIXED

►ACETO CHEM CO
►AMERICAN-BRITISH CHEM SUPPLIES
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
Mallinckrodt Chem Works (P)
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

Northwestern Chem Co (P)
Rhodia, Inc (P)

AMYL ACID PHOSPHATE

►HOOKER CHEM CORP (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

AMYL ALDEHYDE see n-Valeraldehyde

n-AMYLAMINE (1-Aminopentane)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)

Ames Labs (P)
Andor Labs (P)
Freeman Industries (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

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See page 66 for our complete listing.

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SULFANILAMIDE
SULFAPYRIDINE

Established 1921

AMYLASE see Diastase

AMYL BENZOATE see Isoamyl Benzoate

n-AMYL BROMIDE (n-Bromopentane)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Andor Labs (P)
Edcan Labs (P)
Kaplop Labs (P)

n-AMYL BUTYRATE
Dodge & Olcott (P)
Florasynth Labs
►R W GREEFF & CO
Andor Labs (P)
Felton Chem Co (P)
Kaplop Labs (P)
Northwestern Chem Co (P)

n-AMYL CAPROATE
Dodge & Olcott (P)
Florasynth Labs
Andor Labs (P)
Felton Chem Co (P)
Kaplop Labs (P)

n-AMYL CHLORIDE (1-Chloropentane)
Brothers Chem Co (P)
Kaplop Labs (P)

AMYL CHLORIDES, MIXED
Pennsalt Chems Corp (P)

α-AMYL CINNAMIC ALDEHYDE
Florasynth Labs
Fritzche Bros
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
Descollonges, Inc (P)
Felton Chem Co (P)
Rhodia, Inc (P)

AMYL DECYL PHTHALATE
Kessler Chem Co (P)
Mercury Chem Corp (P)

n-AMYL DIETHYL MALONATE
►BENZOL PRODUCTS CO (P)

AMYLENE see Pentene

AMYLENE HYDRATE see Alcohol, tert.-Amyl

AMYL FORMATE (Isoamyl Formate, n-Formic Ester)
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Andor Labs (P)
Felton Chem Co (P)
Kaplop Labs (P)

n-AMYL FUROATE
National Starch & Chem Corp (P)

AMYL HYDRIDE see Pentane

AMYLIN see Dextrin

AMYL LAURATE
Applied Science Labs (P)
Kessler Chem Co (P)

n-AMYL MERCAPTAN (Pentanethiol)
Pennsalt Chems Corp (P)
Kaplop Labs (P)
Wateree Chem Co (P)

tert.-AMYL MERCAPTAN
Phillips Petroleum Co, Special Products Div (P)

AMYL MYRISTATE
Applied Science Labs (P)
Kessler Chem Co (P)

AMYL NAPHTHALENE
Pennsalt Chems Corp (P)

AMYL NITRATE
►ETHYL CORP (P)

pri-AMYL NITRATE
►ETHYL CORP (P)

AMYL NITRITE see Isoamyl Nitrite

AMYL OLEATE
Applied Science Labs (P)
Kessler Chem Co (P)
Kaplop Labs (P)

AMYLOSE
Stein Hall & Co

o-sec.-AMYL PHENOL (Amyl-p-Phenol, 1-Amyl-4-Hydroxybenzene)
Aldrich Chem Co (P)
Pennsalt Chems Corp (P)

o-tert.-AMYL PHENOL
Pennsalt Chems Corp (P)

p-tert.-AMYL PHENOL
►KOPPERS CO, TAR PRODUCTS DIV (P)
Pennsalt Chems Corp (P)
Brothers Chem Co (P)

AMYL PHOSPHATE
►VICTOR CHEM WORKS (P)

AMYL PROPIONATE
Dodge & Olcott (P)
Florasynth Labs
Givaudan-Delawanna (P)
Felton Chem Co (P)

AMYL SALICYLATE see Isoamyl Salicylate

AMYL STEARATE
Applied Science Labs (P)
Kessler Chem Co (P)

AMYL SULFIDE
Wateree Chem Co (P)

AMYL TRICHLOROSILANE
Dow Corning Corp (P)
Union Carbide Corp, Silicones Div (P)

AMYL TRIETHOXYSILANE
Union Carbide Corp Silicones Div (P)

AMYLUM MARANTA see Starch, Corn

ANALYTICAL REAGENTS
Arapahoe Chems (P)
Burdick & Jackson
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Eastern Chem Corp (P)
Fisher Scientific Co (P)
Globe Chem Co
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
Pfanstiehl Labs (P)
Andor Labs (P)
Bio-Rad Labs (P)
B R Elk & Co (P)
Hagan Chems & Controls (P)
Schwarz BioResearch (P)
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ANATASE

American Firstoline Corp
International Selling Corp
National Lead Co (P)

American Cyanamid Co Pigments Div (P)
New Jersey Zinc Co (P)
Titanium Pigment Corp (P)

ANETHOLE

Arizona Chem Co (P)
Dodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Hercules Powder Co (P)
George Lueders & Co
Magnus, Mabee & Reynard
►S B PENICK & CO (P)

Felton Chem Co (P)
Prentiss Drug & Chem Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

ANGELICA

Florasynth Labs
Meer Corp (P)
►S B PENICK & CO

ANGLESITE see Lead Sulfate

ANHYDROENNEAHEPTITOL (3,3,5,5-Tetrakis [hydroxymethyl]-4-pyranol)

►CELANESE CHEM CO (P)

ANILINE (Aniline Oil, Aminobenzene, Phenylamine, Aminophen, Cyanol, Benzidan)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P
►DU PONT, EXPLOSIVES DEPT (P)
Fisher Scientific Co
Harwick Standard Chem Co
Mallinckrodt Chem Works (P)

Ciba Co (P)
Naugatuck Chem Div (P)

DOW

ANILINE

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Midland, Michigan

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ANILINE ACETATE

City Chem Corp (P)

ANILINE CHLORIDE see Aniline Hydrochloride

ANILINE HYDROCHLORIDE (Aniline Salt, Aniline Chloride)

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Pyram Products Co
H P Rossiger & Co

ANILINE OXALATE

City Chem Corp (P)

ANILINE PHOSPHATE

City Chem Corp (P)
Eastern Chem Corp (P)

ANILINE SALT see Aniline Hydrochloride

ANILINE SULFATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Eastern Chem Corp (P)
California Ink Co (P)

ANILINE YELLOW see p-Aminoazobenzene

ANIMAL BLACK see Bone Black and Drop Black

ANIME see Gum, Copal

ANISALDEHYDE (p-Methoxybenzaldehyde, Aubepine, p-Anisaldehyde)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►TRUBEK LABS (P)

Fries Bros (P)
Schimmel & Co (P)

o-ANISALDEHYDE

Ansul Chem Co (P)

m-ANISIDINE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hostachem Corp

o-ANISIDINE (o-Methoxyaniline)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)

p-ANISIDINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Hostachem Corp
►MONSANTO CHEM CO (P)

ANISOIN (p,p'-Dimethoxybenzoin)

Aldrich Chem Co (P)
►R W GREEFF & CO
►ELI LILLY & CO, ELANCO DIV (P)
Specific Pharmaceuticals, Chemetron Corp (P)

ANISOLE (Methyl Phenyl Ether)

Ansul Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
►ELI LILLY & CO, ELANCO DIV (P)

Clinical Chems Corp (P)
Fries Bros (P)

ANISOYL CHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Heyden Newport Chem Corp (P)

ANISYL CHLORIDE

►TRUBEK LABS (P)

ANISYL CYANIDE

►TRUBEK LABS (P)

ANNATTO (Arnatto, Annotta, Arnotta, Orleana, Roucou, Bixin, Butter Color)

H Kohnstamm & Co (P)
Meer Corp (P)
►S B PENICK & CO (P)
Vitamins, Inc

Freeman Industries (P)
Paul-Lewis Labs (P)
Kalamazoo Spice Extraction Co (P)

ANNIDALIN see Thymol Iodide

ANNOTTA see Annatto

ANTACIDIN see Calcium d-Saccharate

ANTHION see Potassium Persulfate

ANTHRACENE (Anthracene Oil, Anthracin, Green Oil)

Aldrich Chem Co (P
►ALLIED CHEM CORP, PLASTICS DIV (P)
Chemiea Aniliates
►KOPPERS CO, TAR PRODUCTS DIV (P)
Tar Residuals

Coopers Creek Chem Corp (P)
Isomet Corp (P)
Crowley Tar Products Co P
Pilot Chems, Inc (P)

ANTHRALIN (1,8,9-Anthratriol; 1,8-Dihydroxyanthranol)

►ACETO CHEM CO
Gane's Chem Works (P)

ANTHRANILAMIDE

Maumee Chem Co (P)
Riches-Nelson, Inc

ANTHRAPURPURIN

Eastern Chem Corp (P)

ANTHRAQUINONE (Diphenyleneketone, Dyhydrodiketoanthracene)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fallek Chem Corp
M W Hardy & Co
H P Rossiger & Co

Ciba Co (P)
Clinical Chems Corp (P)

ANTHRONE (Anthranone)

Aero Chem Corp (P)
Eastern Chem Corp (P)

Andor Labs (P)
Brothers Chem Co (P)
Clinical Chems Corp (P)
Pierce Chem Co (P)

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ANTIBIOTICS

►Bristol Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
Merck Chem Div (P)
►S B PENICK & CO (P)
George Une Co

Grain Processing Corp (P)
Wallerstein Co (P)
Whitmoyer Labs (P)

ANTI-CAKING AGENTS

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Amoco Chems Corp (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Cabot Corp (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Mills, Chem Div (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
M Michel & Co (P)
►MILES CHEM CO (P)
►MINERAL & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►QUAKER OATS CO (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Tamms Industries
►ULTRA CHEM WORKS DIV (P)
►VICTOR CHEM WORKS (P)
►WITCO CHEM CO (P)

AIC Chem Co (P)
Carlisle Chem Works (P)
Emkay Chem Co (P)
Eureka Chem Co (P)
Foremost Food & Chem Co (P)
C P Hall Co (P)
Kenite Corp (P)
Mona Industries (P)
Naico Chem Co (P)
National Research & Chem Co (P)
Petrochemicals Co (P)
Thomas Alabama Kaolin Co (P)
Tretolite Co Div (P)
Universal Detergents (P)

ANTI-CORROSION AGENTS see Inhibitors, Corrosion

ANTI-FELTING AGENTS

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Maher Color & Chem Co (P)

Britex Corp (P)
Scholler Bros (P)

ANTI-FLOATING AGENTS

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Baker Castor Oil Co (P)
Dow Corning Corp (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
General Elec Co, Silicone Products (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
Patent Chems (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Corp, Silicones Div (P)

Advance Solvents & Chem Div (P)
Bryant Chem Corp (P)
Carlisle Chem Works (P)
Colloids, Inc (P)
Continental Chem Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Hocag Chem Corp (P)
E F Houghton & Co (P)
Naico Chem Co (P)
Morningstar-Paisley, Inc (P)
Raybo Chem Co (P)
Scholler Bros (P)
Swift & Co, General Soap Dept (P)
Tretolite Co Div (P)
Troy Chem Co (P)
Wica Chems (P)
Wye Industries (P)

ANTI-FOAMING AGENTS see Defoamers

ANTI-FOG AGENTS

Britex Corp (P)
Geigy Industrial Chems (P)
C P Hall Co (P)
Kaysing Corp (P)
Merix Chem Co (P)
Union Carbide Consumer Products Co (P)
Wye Industries (P)

ANTIFREEZES, ETHYLENE GLYCOL

►ALLIED CHEM CORP, NITROGEN DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV
American Mineral Spirits Co
American Oil & Supply Co (P)
Antara Chem Div (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►JEFFERSON CHEM CO (P)
E & F King & Co
Mercury Chem Corp (P)
►MODERN SOLVENTS & CHEMS CORP
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Scholle Chem Corp (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
Union Carbide Chems Co (P)
Valchem
►WYANDOTTE CHEMS CORP (P)

Aetna Chem Corp (P)
Allied Industrial Products Co (P)
Clarkson Labs (P)
Merix Chem Co (P)
Union Carbide Consumer Products Co (P)

ANTIFREEZES, METHANOL

►ALLIED CHEM CORP, NITROGEN DIV (P)
American Mineral Spirits Co
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Chemsol, Inc (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Chas L Huisking & Co
E & F King & Co
Mercury Chem Corp (P)
►MODERN SOLVENTS & CHEMS CORP
Olin Mathieson Chem Corp, Industrial Chems (P)
►PEERLESS OIL & CHEM CORP
Scholle Chem Corp (P)
Thompson-Hayward Chem Co
Joseph Turner & Co (P)
Union Carbide Chems Co (P)

Aetna Chem Corp (P)
Allied Industrial Products Co (P)
Heyden Newport Chem Corp (P)
Clarkson Labs (P)
Spencer Chem Co (P)
Union Carbide Consumer Products Co (P)

ANTI-FROTHING AGENTS

Argus Chem Corp (P)
Armour Industrial Chem Co (P)
►COMMERCIAL SOLVENTS CORP (P)
Dow Corning Corp (P)
Harchem Div, Wallace & Tiernan Inc (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
►SONNEBORN CHEM & REFINING CORP (P)
Stoney-Mueller, Inc (P)
Union Carbide Corp, Silicones Div (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
American-Marietta Co (P)
Arnold, Hoffman & Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Foremost Food & Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Indari Chem Corp (P)
Raybo Chem Co (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Troy Chem Co (P)

ANTIHISTAMINES

Bristol Labs (P)
Hoffman Labs (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Merck Chem Div (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
RSA Corp (P)
Biorganic Labs (P)
Hexagon Labs (P)
Nepera Chem Co (P)
Roselle Labs (P)
Winthrop Labs (P)

ANTI-KNOCK AGENTS—see also, Additives, Gasoline

►ETHYL CORP (P)
Industrial Chem & Dye Co
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)

National Research & Chem Co (P)
Evans Lead Corp (P)

ANTIMONIC SULFIDE see Antimony Pentasulfide

ANTIMONINE see Antimony Lactate

ANTIMONITE see Stibnite

ANTIMONY BLACK see Stibnite

ANTIMONY BLOOM see Antimony Trioxide

ANTIMONY CHLORIDE see Antimony Trichloride

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ANTIMONY FLUORIDE see Antimony Trifluoride

ANTIMONY GLANCE see Stibnite

ANTIMONY GRAY see Stibnite

ANTIMONY LACTATE

Premium Chems (P)

ANTIMONY, METAL (Antimony Regulus, Stibium)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Belmont Smelting & Refining Works (P)
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
Mallinckrodt Chem Works (P)
National Lead Co (P)
Var-Lac-Old Chem Co (P)

American Smelting & Refining Co (P)
Division Lead Co (P)
Hummel Chem Co (P)
Bram Metallurgical-Chem Co (P)

ANTIMONY OXIDE see Antimony Trioxide

ANTIMONY PENTACHLORIDE (Antimony Perchloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HOOKER CHEM CORP (P)
Mallinckrodt Chem Works (P)
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Rahway, New Jersey

ANTIMONY PENTAFLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

Peninsular ChemResearch (P)
Xanthippe Chems (P)

ANTIMONY PENTASULFIDE (Antimony Red; Antimony Persulfide; Antimony Sulfide, Golden; Antimonic Sulfide)

City Chem Corp (P)

Barium & Chems (P)
Foote Mineral Co (P)
General Metallic Oxides Co (P)

ANTIMONY PENTOXIDE (Antimonic Acid; Antimonic Anhydride; Stibic Anhydride)

Hummel Chem Co (P)

ANTIMONY PERCHLORIDE see Antimony Pentachloride

ANTIMONY PERSULFIDE see Antimony Pentasulfide

ANTIMONY POTASSIUM TARTRATE (Tartar Emetic, Tartrated Antimony)

European Chem Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co (P)
Reveili Chems, Inc
E M Sergeant Pulp & Chem Co
►STAUFFER CHEM CO

ANTIMONY RED see Antimony Pentasulfide

ANTIMONY REGULUS see Antimony, Metal

ANTIMONY SALT (de Haens Salt)

Fairmount Chem Co (P)

ANTIMONY SULFATE (Antimony Trisulfate, Antimonous Sulfate)

Indussa Corp

ANTIMONY SULFIDE see Antimony Trisulfide, Antimony Pentasulfide and Stibnite

ANTIMONY SULFIDE, GOLDEN see Antimony Pentasulfide

ANTIMONY SULFIDE, NATIVE see Stibnite

ANTIMONY TARTRATE

City Chem Corp (P)
Premium Chems (P)

ANTIMONY TETROXIDE

Evans Lead Corp (P)

ANTIMONY TRIBROMIDE (Antimony Bromide)

City Chem Corp (P)
Xanthippe Chems (P)

ANTIMONY TRICHLORIDE (Butter of Antimony, Antimony Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HOOKER CHEM CORP (P)
Kraft Chem Co
Mallinckrodt Chem Works (P)
►STAUFFER CHEM CO (P)
McGean Chem Co (P)

ANTIMONY TRIFLUORIDE (Antimony Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Harshaw Chem Co (P)
Var-Lac-Old Chem Co (P)

Ozark-Mahoning Co (P)
Xanthippe Chems (P)
Peninsular Chem-Research (P)

ANTIMONY TRIIODIDE

City Chem Corp (P)
Indussa Corp
RSA Corp (P)

Edcan Labs (P)
Xanthippe Chems (P)

ANTIMONY TRIOXIDE (Antimony White; Antimony Bloom; Flowers of Antimony)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Faesy & Besthoff
D F Goldsmith Chem & Metal Corp
Indussa Corp
Kraft Chem Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)
Reveili Chems, Inc
Whittaker, Clark & Daniels

Evans Lead Corp (P)
McGean Chem Co (P)

ANTIMONY TRISULFATE see Antimony Sulfate

ANTIMONY TRISULFIDE (Antimony Orange; Antimony Sulfuret)

Belmont Smelting & Refining Works (P)
City Chem Corp (P)
Croton Chem Corp
Indussa Corp

Barium & Chems (P)
Hummel Chem Co (P)
McGean Chem Co (P)
Rare Metal Products Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ANTIOXIDANTS—see also Anti-Skinning Agents, Preservatives and Stabilizers

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Argus Chem Corp (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
Fine Organics (P)
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
Hercules Powder Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
►MILES CHEM CO (P)
Neville Chem Co (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►ONYX OIL & CHEM CO (P)
►S B PENICK & CO (P)
Pennsalt Chems Corp (P)
►SHELL CHEM CO (P)
Sindar Corp (P)
Synthetic Chems (P)
Union Carbide Chems Co (P)
Universal Oil Products Co (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Adhesive Products Corp (P)
American Cyanamid Co, Market Development Dept (P)
Arnold, Hoffman & Co (P)
Borden Chem Co (P)
California Ink Co (P)
Catalin Corp of America (P)
Ferro Chem Div (P)
J P Frank Chem Corp (P)
Fries Bros (P)
Guardian Chem Corp (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Heyden Newport Chem Corp (P)
Mona Industries (P)
Naugatuck Chem Div (P)
Pitt-Consol Chem Co (P)
Raybo Chem Co (P)
A E Staley Mfg Co (P)
Wm J Stange Co (P)
Troy Chem Co (P)
Wallerstein Co (P)
Winthrop Labs (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

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Boston (Framingham), Mass.—TRinity 2-6541
Buffalo, N. Y.—TF 9-3252
Chicago (Skokie), Ill.—IRving 8-2771
Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Greensboro, N. C.—BRoadway 5-9517
Houston, Texas—JAckson 6-3981
Kansas City, Mo.—LOgan 1-7268
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—ORegon 9-1820
Philadelphia (Fort Washington), Pa.—CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
Wilson & Geo. Meyer & Company
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif.—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
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ANTIOXIDANTS, FOOD

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►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
Fine Organics (P)
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
►HARSHAW CHEM CO (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
►MILES CHEM CO (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Universal Oil Products Co (P)
Vitamins, Inc

American Lecithin Co (P)
Arnold, Hoffman & Co (P)
Carlisle Chem Works (P)
Catalin Corp of America (P)
Clarkson Labs (P)
Fermco Labs (P)
Fries Bros (P)
Geigy Industrial Chems (P)
Guardian Chem Corp (P)
Halby Products Co (P)
Heyden Newport Chem Corp (P)
Hoffmann-La Roche (P)
A E Staley Mfg Co (P)
Wm J Stange Co (P)
Wallerstein Co (P)
Winthrop Labs (P)

ANTIOXIDANTS, OILS, FATS & WAXES

American Oil & Supply Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP
Fine Organics (P)
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
►HARSHAW CHEM CO (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
►NOPCO CHEM CO
Nuodex Products Co (P)
►SHELL CHEM CO (P)
Sindar Corp (P)
Union Carbide Chems Co (P)
Universal Oil Products Co (P)

Carlisle Chem Works (P)
Catalin Corp of America (P)
Fries Bros (P)
Geigy Industrial Chems (P)
Guardian Chem Corp (P)
Halby Products Co (P)
Heyden Newport Chem Corp (P)
Mona Industries (P)
Oakite Products (P)
Pitt-Consol Chem Co (P)
Wm J Stange Co (P)
Troy Chem Co (P)

ANTIOXIDANTS, PAINT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
Neville Chem Co (P)
Nuodex Products Co (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Pennsalt Chems Corp (P)
Sindar Corp (P)
Universal Oil Products Co (P)

Amer Labs (P)
Catalin Corp of America (P)
Guardian Chem Corp (P)
Heyden Newport Chem Corp (P)
Halby Products Co (P)
Mona Industries (P)
Pitt-Consol Chem Co (P)
Raybo Chem Co (P)
Wm J Stange Co (P)
Troy Chem Co (P)

ANTIOXIDANTS, PETROLEUM

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Oil & Supply Co (P)
Amoco Chems Corp (P)
Chemical Mfg Co
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP
Failek Chem Corp
General Mills, Chem Div (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
►MILES CHEM CO (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Oronite Div (P)
Patent Chems (P)
Sindar Corp (P)
Universal Oil Products Co (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Catalin Corp of America (P)
Guardian Chem Corp (P)
Lehigh Chem Co (P)
Mona Industries (P)
Nalco Chem Co (P)
Naugatuck Chem Div (P)
Pitt-Consol Chem Co (P)
Wm J Stange Co (P)
Tretolite Co Div (P)

ANTIOXIDANTS, PLASTICS

►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►MILES CHEM CO (P)
Sindar Corp (P)

Guardian Chem Corp (P)
Halby Products Co (P)
Naugatuck Chem Div (P)
Pitt-Consol Chem Co (P)
Wm J Stange Co (P)

ANTIOXIDANTS, RUBBER—see also Antiozonants

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, ELASTOMERS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP
Harwick Standard Chem Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
►MILES CHEM CO (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Pennsalt Chems Corp (P)
►SHELL CHEM CO (P)
Sindar Corp (P)
Universal Oil Products Co (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
►WITCO CHEM CO (P)

Adhesive Products Corp (P)
Beacon Chem Industries (P)
Catlalin Corp of America (P)
Eagle-Picher Co (P)
Goodyear Tire & Rubber Co. Chem Div (P)
Guardian Chem Corp (P)
Major Chem & Latex Corp (P)
Mona Industries (P)
National Polychems (P)
Naugatuck Chem Div (P)
Pitt-Consol Chem Co (P)
Process Chem Specialties (P)
Wm J Stange Co (P)

ANTIOXIDANTS, SOAP

Givaudan-Delawanna (P)
►R W GREEFF & CO
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)
Sindar Corp (P)

Catalin Corp of America (P)
Colgate-Palmolive Co (P)
Heyden Newport Chem Corp (P)
Halby Products Co (P)
Mona Industries (P)
Process Chem Specialties (P)
Wm J Stange Co (P)

ANTIOZONANTS

►DU PONT, ELASTOMERS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
Harwick Standard Chem Co
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►SUN OIL CO (P)
Universal Oil Products Co (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
Chemical Coatings & Engrg Co (P)
General Latex & Chem Corp (P)
Goodyear Tire & Rubber Co. Chem Div (P)
Minnesota Mining & Mfg Co. Chem Div (P)
Naugatuck Chem Div (P)

ANTIPYRINE (Phenazone)

Gallard-Schlesinger Chem Mfg Corp
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV
Robeco Chems

Prentiss Drug & Chem Co (P)
Roselle Labs (P)

ANTIPYRINE BENZOATE

Polychemical Labs (P)
Premium Chems (P)
Roselle Labs (P)

ANTIPYRINE SALICYLATE (Phenazone Salicylate, Salazolon)

Fine Organics (P)
Patent Chems (P)
►SONNEBORN CHEM & REFINING CORP (P)

Arenol Chem Corp (P)
National Research & Chem Co (P)
Polychemical Labs (P)
Premium Chems (P)
Roselle Labs (P)
Tretolite Co Div (P)

ANTI-RUSTING COMPOUNDS see Inhibitors, Corrosion

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ANTISEPTICS—see also Preservatives

Antara Chems Div (P)
W A Cleary Corp (P)
Dow Chem Co (P)
Givaudan-Delawanna (P)
Goldschmidt Chem Corp (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sindar Corp (P)
Treplow Chem Co (P)
Trio Chem Works (P)

Emkay Chem Co (P)
Essential Chem Co (P)
Fries Bros (P)
Fuld Bros (P)
Guardian Chem Corp (P)
Industrial Materials Co (P)
Norton Chem Works (P)
Scientific Chems (P)

ANTI-SKINNING AGENTS

Advance Solvents & Chem Div (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►EASTMAN CHEM PRODUCTS (P)
Givaudan-Delawanna (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Neville Chem Co (P)
Nuodex Products Co (P)
Patent Chems (P)
Pennsalt Chems Corp (P)
Sindar Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Union Carbide Chems Co (P)
Universal Oil Products Co (P)

Advance Solvents & Chem Div (P)
Ames Labs (P)
California Ink Co (P)
Ferro Chem Div (P)
Glidden Co (P)
Guardian Chem Corp (P)
Heyden Newport Chem Corp (P)
Raybo Chem Co (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

ANTI-STATIC AGENTS

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Baker Castor Oil Co (P)
Cabot Corp (P)
Chemical Affiliates
►DU PONT, DYES & CHEMS DIV (P)
Emery Industries (P)
Fine Organics (P)
Geigy Dyestuffs Div (P)
General Mills, Chem Div (P)
►JEFFERSON CHEM CO (P)
Kessler Chem Co (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
M Michel & Co
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Patent Chems (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
Vaichem (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

American Cyanamid Co, Market Development Dept (P)
Arnold, Hoffman & Co (P)
Burkart-Schier Chem Co (P)
Chemical Coatings & Engrg Co (P)
Chemical Development Corp (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Daves-Young Soap Co (P)
Dixo Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Thomas A Edison Industries, Medical Gas Div (P)
Emkay Chem Co (P)
Foremost Food & Chem Co (P)
Geigy Industrial Chems (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Magnuson Products Corp (P)
Merix Chem Co (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Nalco Chem Co (P)
National Research & Chem Co (P)
Procter & Gamble Co (P)
Raybo Chem Co (P)
Refined Products Co (P)
Sandoz, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Statkil, Inc (P)
Titan Chem Products (P)
Wallerstein Co (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

APLITE

►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
►METAL & THERMIT CORP (P)

APOMORPHINE HYDROCHLORIDE

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

APROBARBITAL (5-Allyl-5-Isopropylbarbituric Acid)

Gane's Chem Works
►R W GREEFF & CO

Biorganic Labs (P)
Polychemical Labs (P)

AQUA FORTIS see Acid, Nitric

ARAGONITE see Calcium Carbonate

ARBUTIN (Arbutoside; Ursin)

►ABBOT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

ARCTIC ESSENCE see Methyl Chloride

ARECOLINE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

ARECOLINE HYDROBROMIDE

►BAIRD CHEM INDUSTRIES, INC
Henley & Co

ARGENTUM see Silver

ARGILLA see Clays, China

ARGININE (Guanidine Aminovaleric Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
General Mills, Specialty Products Div (P)
Pfanstiehl Labs (P)
George Uhe Co

Schwarz BioResearch (P)

1-ARGININE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
General Mills, Specialty Products Div (P)
Pfanstiehl Labs (P)

Winthrop Labs (P)

ARGOLS

►McKESSON & ROBBINS, CHEM DEPT

ARGON

Givaudan-Delawanna (P)

Air Products, Inc (P)
Air Reduction Sales Co (P)
Bram Metallurgical-Chem Co (P)
Linde Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Southern Oxygen Co (P)
Spencer Chem Co (P)

ARNATTO see Annatto

AROMATIC CHEMICALS see Deodorants, Perfume Bases, etc

AROMATICS, CRUDE

American Mineral Spirits Co (P)
►ENJAY CHEM CO (P)
Esso Standard Oil (P)

Union Carbide Olefins Co (P)

ARRHENAL see Disodium Methylarsenate

ARROWROOT

Meer Corp (P)

Morningstar-Paisley, Inc (P)

ARSENIC DISULFIDE (Red Arsenic Sulfide; Red Arsenic; Realgar; Red Orpiment; Ruby Arsenic; Red Arsenic Glass)

American Firstoline Corp
City Chem Corp
Indussa Corp
Kolon Trading Co

Hummel Chem Co (P)

ARSENIC IODIDE see Arsenic Triiodide

ARSENIC, METAL

Belmont Smelting & Refining Works (P)
International Selling Corp
Kawecki Chem Co (P)
Kolon Trading Co
Millmaster Chem Corp
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

American Smelting & Refining Co (P)
Bram Metallurgical-Chem Co (P)

ARSENIC PENTOXIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Millmaster Chem Corp
Tar Residuals

ARSENIC, RED see Arsenic Disulfide

ARSENIC TERSULFIDE see Arsenic Trisulfide

ENJAY

AROMATICS

For typical inspections and applications see ENJAY products brochure in this issue. Write or phone for further information.

ENJAY CHEMICAL COMPANY
A DIVISION OF HUMBLE OIL & REFINING COMPANY
15 W. 51st St., New York 19, N.Y.

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ARSENIC TRIBROMIDE

City Chem Corp (P)
Schwarz BioResearch (P)

ARSENIC TRICHLORIDE (Arsenious Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HOOKER CHEM CORP (P)

ARSENIC TRIIODIDE (Arsenic Iodide; Arsenious Iodide)

City Chem Corp (P)
Penn Rare Metals (P)
Edcan Labs (P)
Xanthippe Chems (P)

ARSENIC TRIOXIDE (White Arsenic; Arsenious Acid; Arsenious Anhydride; Arsenious Oxide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
►HARSHAW CHEM CO
Inoussa Corp
International Selling Corp
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYC CHEM DIV (P)
Millmaster Chem Corp
Revelli Chems, Inc
Thompson-Hayward Chem Co
American Smelting & Refining Co (P)
Ortho Div (P)
Prentiss Drug & Chem (P)

ARSENIC TRISULFIDE (Arsenic Tersulfide; Arsenic Yellow; Arsenious Sulfide; Arsenous Sulfide; Orpiment)

Kelon Trading Co
Rare Metal Products Co (P)

ARSENIC, WHITE see Arsenic Trioxide

ARSENIC, YELLOW see Arsenic Trisulfide

ARSENIOUS ANHYDRIDE see Arsenic Trioxide

ARSENIOUS CHLORIDE see Arsenic Trichloride

ARSENIOUS IODIDE see Arsenic Triiodide

ARSENIOUS OXIDE see Arsenic Trioxide

ARSENIOUS SULFIDE see Arsenic trisulfide

ARSINE

Penn Rare Metals (P)
Xanthippe Chems (P)

l-ARTERENOL BITARTRATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Henley & Co
Winthrop Labs (P)

dl-ARTERENOL HYDROCHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Winthrop Labs (P)

ARTIFICIAL MALACHITE see Copper Carbonate

ARYL ACETYLENE see Acetylenic Hydrocarbons

ASBESTOS, ACID WASHED

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Bio-Rad Labs (P)
Western Chem & Mfg (P)

ASBESTOS, AMPHIBOLE (Tremolite, Actinolite, Amosite, Crocidolite, Anthophyllite)

►JOHNS-MANVILLE (P)

ASBESTOS, PLATINIZED

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
Metals & Controls Inc (P)

ASBESTOS, SERPENTINE (Chrysotile)

►JOHNS-MANVILLE (P)
Kraft Chem Co
Smith Chem & Color Co
Charles A Wagner Co
American Smelting & Refining Co (P)
National Gypsum Co (P)

ASPARAGINE (α-Aminosuccinamic Acid, Althein, Asparamide)

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Pfanstiehl Labs (P)

ASPARAMIDE see Asparagine

ASPHALT (Bitumen, Judean Pitch, Jew's Pitch, Petroleum Asphalt, Mineral Pitch, Trinidad Pitch, Petrolene)

Esso Standard Oil (P)
Industrial Raw Materials Corp
►MONSANTO CHEM CO (P)
►WARWICK WAX DIV (P)
►WITCO CHEM CO (P)
Atlantic Refining Co (P)
Crowley Tar Products (P)
Flintkote Co (P)
Socony Mobil Oil Co (P)
Trumbull Asphalt Co of Delaware (P)
G S Ziegler & Co (P)

ASPHALT COMPOUNDS

American Oil & Supply Co (P)
Chemical & Pigment Co (P)
Industrial Raw Materials Corp
►JOHNS-MANVILLE (P)
►MONSANTO CHEM CO (P)
►WITCO CHEM CO (P)
Adhesive Products Corp (P)
Armstrong Paint & Varnish Works (P)
Bennett Inc (P)
Biwax Corp (P)
Borden Chem Co (P)
California Ink Co (P)
Chemical Coatings & Engrg Co (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Flintkote Co (P)
Benjamin Foster Co (P)
Franklin Oil Corp (P)
Freeman Chem Corp (P)
Hi-Test Chem Corp (P)
Midland Adhesive & Chem Corp (P)
National Research & Chem Co (P)
Naugatuck Chem Div (P)
Socony Mobil Oil Co (P)
Tretolite Co Div (P)
Trumbull Asphalt Co of Delaware (P)
West Chester Chem Co (P)
G S Ziegler & Co (P)

ASPHALT EMULSIONS

American Oil & Supply Co (P)
Chemical & Pigment Co (P)
Industrial Raw Materials Co
►MONSANTO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WITCO CHEM CO (P)
Armstrong Paint & Varnish Works (P)
Bennett Inc (P)
Borden Chem Co (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Flintkote Co (P)
Crowley Tar Products Co (P)
Benjamin Foster Co (P)
Franklin Oil Corp (P)
Midland Adhesive & Chem Corp (P)
National Research & Chem Co (P)
Wye Industries (P)

ASPIRIN see Acid, Acetylsalicylic

ASSISTANTS see specific type of assistant, e.g., Bleaching Assistants

ATROPINE (dl-Hyoscyamine; dl-Daturine)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
European Chem Co
Henley & Co
►S B PENICK & CO (P)
George Uhe Co
Inland Alkaloid (P)

ATROPINE METHYLNITRATE

European Chem Co
►S B PENICK & CO (P)

ATROPINE SULFATE

European Chem Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO (P)
George Uhe Co

AMERICAN FIRSTOLINE
CORPORATION
855 Ave. of the Americas
New York 1, N. Y.
OXford 5-6556 Cable: FIRSTOLINE, N.Y.

WHITE ARSENIC
(ARSENIC TRIOXIDE)
AMMONIUM CARBONATE
HEXACHLOROETHANE
TITANIUM DIOXIDE
(ANATASE & RUTILE)
ZINC CARBONATE
ZINC OXIDE
(ALL GRADES)

RAMBACH CHEMICAL
COMPANY, INC.
OXford 5-6550
855 Ave of the Americas
New York 1, N.Y.

SURPLUS CHEMICALS BOUGHT AND SOLD
INDUSTRIAL CHEMICALS
COLORS • PLASTICS
PHARMACEUTICALS
COAL TAR PRODUCTS
DYE STUFFS
SPECIALTIES • WAXES
OVERSEAS INQUIRIES SOLICITED

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

AURAMINE

►ACETO CHEM CO
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►HARSHAW CHEM CO (P)
Pylam Products Co (P)

Engelhard Industries (P)

AURIC CHEMICALS see corresponding Gold Chemicals

AURORA YELLOW see Cadmium Sulfide

AUTOMOTIVE SPECIALTIES

Dow Chem Co (P)
Esso Standard Oil (P)
►PEERLESS OIL & CHEM CORP
►WITCO CHEM CO (P)

Aetna Chem Corp (P)
Allied Industrial Products Co (P)
Ampion Corp (P)
Brokston Chem Co (P)
Clarkson Labs Inc (P)
Dominium Products (P)
E F Drew & Co (P)
Essential Chems Co (P)
Industrial Materials Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Nalco Chem Co (P)
Oakite Products (P)
Uncle Sam Chem Co (P)
Wye Industries (P)

8-AZAGUANINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
K & K Labs (P)

Krishell Labs (P)

8-AZAXANTHINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
K & K Labs (P)

Krishell Labs (P)

AZOBENZENE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
K & K Labs (P)

AZOPHOR RED see p-Nitroaniline, Red

AZOXYBENZENE

►HARSHAW CHEM CO (P)

Brothers Chem Co (P)

AZURE BLUE see Cobalt Blue

B

BABBITT METAL

Belmont Smelting & Refining Works (P)
International Smelting Corp
National Lead Co (P)

Division Lead Co (P)

BACITRACIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
European Chem Co
Industrial Chem & Dye Co
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO (P)
Chas Pfizer & Co (P)
George Uhe Co

Glogau & Co (P)
Grain Processing Corp (P)
Pabst Brewing Co (P)
Roselle Labs (P)

BACTERICIDES

Antara Chems Div (P)
Armour Pharmaceutical Co (P)
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
Fine Organics (P)
Givaudan-Delawanna (P)
Hilton-Davis Chem Co Div (P)
George Mann & Co
Maumee Chem Co (P)
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►ONYX CHEM CORP (P)
Pennsalt Chems Corp (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sindar Corp (P)
Treplow Chem Co (P)
Trio Chem Works (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Ampion Corp (P)
Arnold, Hoffman & Co (P)
Barlow Chem Corp (P)
Britex Corp (P)
Buckman Labs (P)
Chemical Compounding Corp (P)
Ciba Co (P)
Essential Chem Co (P)
Foremost Food & Chem Co (P)
Fuld Bros (P)
Guardian Chem Corp (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
Nalco Chem Co (P)
Norton Chem Works (P)
Oakite Products (P)
Royce Chem Co (P)
Scholler Bros (P)
Scientific Chems Inc (P)
Uncle Sam Chem Co (P)
R T Vanderbilt Co, Specialties Dept (P)
Winthrop Labs (P)

BACTERIOSTATS

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Armour Industrial Chem Co (P)
Dow Chem Co (P)
Fine Organics (P)
General Mills, Chem Div (P)
Glyco Chems (P)
Hilton-Davis Chem Co Div (P)
Maumee Chem Co (P)
Merck Chem Div (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
►ONYX CHEM CORP (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sindar Corp (P)
Treplow Chem Co (P)
►WITCO CHEM CO (P)

Ampion Corp (P)
Archer-Daniels-Midland Co (P)
Barlow Chem Corp (P)
Britex Corp (P)
Catalin Corp of America (P)
Foremost Food & Chem Co (P)
Fulo Bros (P)
Geigy Industrial Chems (P)
Guardian Chem Corp (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
Norton Chem Works (P)
Scholler Bros (P)
Scientific Chems Inc (P)
Uncle Sam Chem Co (P)
R T Vanderbilt Co, Specialties Dept (P)
Warwick Chem Div (P)

BAKER'S SUGAR see Corn Sugar

BAKING SODA see Sodium Bicarbonate

BALSAM, CANADA (Balsam of Fir, Canada Turpentine)

Fisher Scientific Co (P)
Fritzsche Bros
Meer Corp (P)
►S B PENICK & CO

Magnus, Mabee & Reynard (P)

BALSAM CAPIVI see Balsam, Copaiba

BALSAM, COPAIBA (Jesuit's Balsam, Balsam Capivi, Copaiba Resin)

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
Meer Corp (P)
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
Prentiss Drug & Chem Co (P)

BALSAM OF FIR see Balsam, Canada

BALSAM, JESUIT'S see Balsam, Copaiba

BALSAM, PERUVIAN (Indian Balsam, China Oil, Black Balsam)

Florasynth Labs
Fritzsche Bros
George Lueders & Co
Meer Corp (P)
►S B PENICK & CO (P)

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
Prentiss Drug & Chem Co (P)

BANANA OIL see Amyl Acetate

BARAS CAMPHOR see Borneol

BARBERRY BARK

Meer Corp (P)
►S B PENICK & CO

Prentiss Drug & Chem Co (P)

BARBITAL

Gane's Chem Works (P)
Mallinckrodt Chem Works

Roselle Labs (P)

BARBITAL SODIUM

Gane's Chem Works (P)
Mallinckrodt Chem Works

Roselle Labs (P)

BARIUM CHEMICALS

•

BARIUM CARBONATE
50-F and 90-F
(For Brick & Tile Mfrs.)
75-C
(Cryst. powder for general use.)
135-G
(For Glass Mfrs.)

•

BARIUM MONOHYDRATE
99% pure product for petroleum, ferrite, and stabilizer industries

•

THE SHERWIN-WILLIAMS CO.
PIGMENT, COLOR AND CHEMICAL DIV.
Cleveland New York Chicago
Oakland Boston Philadelphia
And other principal cities

BARBITURATES
►BENZOL PRODUCTS CO (P)
Gane's Chem Works (P)
Mallinckrodt Chem Works
►S B PENICK & CO, NYQ CHEM DIV (P)
George Uhe Co
Polychemical Labs (P) Roselle Labs (P)

BARITE see Barium Sulfate

BARIUM ACETATE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
Barium & Chems (P)

BARIUM ALUMINATE
Barium & Chems (P)

BARIUM BINOXIDE see Barium Peroxide

BARIUM BENZOATE
City Chem Corp (P)
Tar Residuals
Premium Chems (P)

BARIUM BLACK ASH
Chemical & Pigment Co (P)
Chemical Products Corp (Ga) (P)
Chicago Copper & Chem Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Barium & Chems (P)

BARIUM BROMATE
City Chem Corp (P)
Barium & Chems (P)

BARIUM BROMIDE
Dow Chem Co (P)
Barium & Chems (P)

BARIUM CARBONATE (Witherite)
►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Chemical Mfg Co
Chemical Products Corp (Ga) (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

BARBITURATES

Allylisobutylbarbituric Acid
Alphenal
Amobarbital USP-XVI
Amobarbital Sodium USP-XVI
Aprobarbital NF-XI
Aprobarbital Sodium
Barbital NF-XI
Barbital Calcium
Barbital Sodium NF-XI
Butabarbital
Butabarbital Calcium
Butabarbital Sodium NF-XI
Cyclopentenylallylbarbituric Acid
Diallylbarbituric Acid
Mephobarbital USP-XVI
Pentobarbital
Pentobarbital Calcium
Pentobarbital Sodium USP-XVI
Phenobarbital USP-XVI
Phenobarbital Calcium
Phenobarbital Sodium USP-XVI
Secobarbital USP-XVI
Secobarbital Calcium
Secobarbital Sodium USP-XVI

with every pound . . . more Gane's *in* quality
Manufacturer of Fine Medicinal Chemicals
GANE'S CHEMICAL WORKS, INC.
535 Fifth Avenue, New York 17, N. Y. • *YUkon 6-5780*

BARBITURATES:
Phenobarbital
Pentobarbital
Secobarbital
Amobarbital

Others can be produced to order
Substituted malonic acid esters

Benzol PRODUCTS COMPANY
237 SOUTH STREET, NEWARK 5, NEW JERSEY
Manufacturers of Fine Chemicals

Chicago Copper & Chem Co (P)
Faesy & Besthoff (P)
Fisher Scientific Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
International Selling Corp
►JONES CHEMS, INC
Kraft Chem Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
McGean Chem Co
►McKESSON & ROBBINS, CHEM DEPT
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prior Chem Corp
E M Sergeant Pulp & Chem Co
Sherwin-Williams Co (P)
Tar Residuals
Charles A Wagner Co
Whittaker, Clark & Daniels

Barium & Chems (P)

BARIUM CHLORATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Croton Chem Corp
International Selling Corp
Tar Residuals

Barium & Chems (P) Hummel Chem Co (P)

BARIUM CHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Chemical Mfg Co
Chemical Products Corp (Ga) (P)
Faesy & Besthoff
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Howe & French
Interstate Chem Corp
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prior Chem Corp
E M Sergeant Pulp & Chem Co
Tar Residuals
Joseph Turner & Co

Barium & Chems (P)

BARIUM CHROMATE (Lemon Chrome, Ultramarine Yellow, Baryta Yellow, Steinbuhl Yellow, Gelbin)

Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)

Barium & Chems (P) Hummel Chem Co (P)
Fiber Chem Corp (P) Shepherd Chem Co (P)

BARIUM CITRATE

Sherwin-Williams Co (P)

Barium & Chems (P) Premium Chems (P)

BARIUM COBALTICYANIDE

City Chem Corp (P)
Var-Lac-Oid Chem Co (P)

BARIUM CYANIDE

City Chem Corp (P)

BARIUM DIOXIDE see Barium Peroxide

BARIUM DIPHENYLAMINE SULFONATE

►ALLIED CHEM CORP, NATIONAL CHEM DIV (P)
Eastern Chem Corp (P)

Andor Labs (P)

BARIUM ETHYL SULFATE

City Chem Corp (P)

BARIUM FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Interstate Chem Corp

Barium & Chems (P)

BARIUM GLUCONATE

City Chem Corp (P)

Premium Chems (P)

BARIUM GLYCOLATE

City Chem Corp (P)

Premium Chems (P)

BARIUM HYDRATE see Barium Hydroxide

BARIUM HYDROXIDE (Barium Octahydrate, Caustic Baryta, Baria Hydride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
International Selling Corp
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
E M Sergeant Pulp & Chem Co
Sherwin-Williams Co (P)

Barium & Chems (P)

BARIUM HYDROXIDE, MONOHYDRATE

►J T BAKER CHEM CO (P)
Sherwin-Williams Co (P)

Barium & Chems (P)

BARIUM HYDROXIDE, PENTAHYDRATE

►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
►FMC CORP, MINERAL PRODUCTS DIV (P)
Mercer Chem Corp
Millmaster Chem Corp

Barium & Chems (P)

CPC

Barium Carbonate
Barium Chloride

- Sodium Sulfide
- Sodium Sulfhydrate
- Barium Sulfide
- Ammonium Sulfide
- Monochlorobenzene
- Paradichlorobenzene
- Orthodichlorobenzene

MANUFACTURED BY
CHEMICAL PRODUCTS CORPORATION
CARTERSVILLE, GEORGIA

BARIUM CARBONATE

- Free Flowing Regular
- Free Flowing Sulfur-Free

●

BARIUM SULFIDE
SODIUM SULFIDE

●

CHICAGO COPPER & CHEMICAL CO.
(MANUFACTURERS)
BLUE ISLAND, ILLINOIS
(INCORPORATED 1912)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

BARIUM HYPOSULFITE see Barium Thiosulfate

BARIUM IODATE

Andor Labs (P)

BARIUM IODIDE

Gallard-Schlesinger Chem Mfg Corp (P)
Andor Labs (P)
Barium & Chems (P)

BARIUM LACTATE

City Chem Corp (P)
Barium & Chems (P)
Premium Chems (P)

BARIUM LANOLATE

Barium & Chems (P)
Premium Chems (P)

BARIUM MANGANATE

City Chem Corp (P)
Premium Chems (P)
Shepherd Chem Co (P)

BARIUM, METAL

American Firstoline Corp
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Reading Chems (P)

BARIUM MONOSULFIDE see Barium Sulfide

BARIUM MONOXIDE see Barium Oxide

BARIUM NAPHTHENATE

Advance Solvents & Chem Div (P)
Ferro Chem Div (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

BARIUM NITRATE (Nitrobarite)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
H J Baker & Bro
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Croton Chem Corp
Davies Nitrate Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
Tar Residuals
Barium & Chems (P)
Hummel Chem Co (P)

BARIUM NITRITE

City Chem Corp (P)
Tar Residuals
Barium & Chems (P)

BARIUM OCTAHYDRATE see Barium Hydroxide

BARIUM OCTOATE

Argus Chem Corp (P)
Nuodex Products Co (P)
Advance Solvents & Chem Div (P)
Ferro Chem Div (P)
Shepherd Chem Co (P
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

BARIUM OXALATE

Barium & Chems (P)
Edcan Labs (P)
Hummel Chem Co (P)
Premium Chems (P)

BARIUM OXIDE (Barium Monoxide, Barium Protoxide, Calcined Baryta)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
►FMC CORP, MINERAL PRODUCTS DIV (P)
International Selling Corp
Millmaster Chem Corp
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Tar Residuals Inc
Barium & Chems (P)

BARIUM PENTAHYDRATE see Barium Hydroxide, Pentahydrate

BARIUM PERCHLORATE

Barium & Chems (P)

BARIUM PERIODATE

City Chem Corp (P)
Andor Labs (P)

BARIUM PERMANGANATE

Carus Chem Co (P)

BARIUM PEROXIDE (Barium Binoxide, Barium Dioxide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
►FMC CORP, MINERAL PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
Barium & Chems (P)
Hummel Chem Co (P)

BARIUM m-PHOSPHATE

►VICTOR CHEM WORKS (P)
Barium & Chems (P)

BARIUM PHOSPHATE, DIBASIC

Barium & Chems (P)

BARIUM PROTOXIDE see Barium Oxide

BARIUM RICINOLEATE

Argus Chem Corp (P)
Nuodex Products Co (P)
Ferro Chem Div (P)
Leffingwell Chem Co (P)
Premium Chems (P)

BARIUM SELENITE

Var-Lac-Old Chem Co (P)
Premium Chems (P)

BARIUM SILICATE

City Chem Corp (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Barium & Chems (P)

BARIUM SILICOFLUORIDE (Barium Fluosilicate)

►AMERICAN AGRICULTURAL CHEM CO (P)
Barium & Chems (P)

BARIUM STANNATE

►METAL & THERMIT CORP (P)
Premium Chems (P)

BARIUM STEARATE

Argus Chem Corp (P)
►HARSHAW CHEM CO (P)
Millmaster Chem Corp
►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)
Joseph Turner & Co (P)
Whittaker, Clark & Daniels
►WITCO CHEM CO (P)
Barium & Chems (P)
Leffingwell Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

BARIUM SULFATE (Barytes, Barite, Heavy Spar, Tiffy)—see also Blanc Fixe

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Colloid Co (P)
►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
Chemical & Pigment Co (P)
Fisher Scientific Co
►FMC CORP, MINERAL PRODUCTS DIV (P)
►HARSHAW CHEM CO
Howe & French
►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
International Selling Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
National Lead Co (P)
►S B PENICK & CO, NYC CHEM DIV
Smith Chem & Color Co
Tar Residuals
Charles A Wagner Co
Whittaker, Clark & Daniels
C K Williams & Co (P)
Baroid Div, National Lead Co (P)
Barium & Chems (P)
Hayes-Sammons Chem (P)
Industrial Minerals, Inc (P)
Magnet Cove Barium Corp (P)
J R Simplot Co (P)
Standard Ultramarine & Color Co (P)
Thompson, Weinman & Co (P)
Western Chem & Mfg (P)

BARIUM SULFATE, PRECIPITATED see Blanc Fixe

BARIUM SULFAMATE

City Chem Corp (P)
Premium Chems (P)

BARIUM SULFIDE (Barium Monosulfide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Chemical Products Corp (Ga) (P)
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
Barium & Chems (P)

BARIUM SULFIDE, CRUDE see Barium Black Ash

BARIUM SULFITE

City Chem Corp (P)
Barium & Chems (P)

BARIUM SULFONATE

►BRYTON CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
Pennsylvania Refining Co (P)
Borne Chem Co (P)

BARIUM THIOCYANATE

City Chem Corp (P)
Barium & Chems (P)

BARIUM THIOSULFATE (Barium Hyposulfite)

City Chem Corp (P)
Barium & Chems (P)

BARIUM TITANATE

►HARSHAW CHEM CO (P)
Barium & Chems (P)

BARIUM TUNGSTATE

Indussa Corp
Var-Lac-Old Chem Co (P)
North Metal & Chem Co (P)

BARIUM ZIRCONATE

►TITANIUM ALLOY MFG DIV (P)
Zirconium Corp of America (P)

BARIUM ZIRCONIUM SILICATE
►TITANIUM ALLOY MFG DIV (P)
Industrial Minerals, Inc (P)

BATES, TANNING
►MILES CHEM CO (P)
Rohm & Haas Co (P)
Los Angeles Chem Co (P) Wallerstein Co (P)
Paul-Lewis Labs (P)

BAUXITE (Beauxite; Hydrated Aluminum Oxide)
Aluminium Limited Sales
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Floridin Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►REYNOLDS METALS CO (P)
Smith-Douglass Co
►STAUFFER CHEM CO (P)

BAUXITE, ACTIVATED
Floridin Co (P)
►STAUFFER CHEM CO (P)

BAUXITE, CALCINED
Aluminium Limited Sales
Floridin Co (P)
►STAUFFER CHEM CO (P)
Kaiser Refractories & Chems Div (P)

BENTONITE
S L Abbot Co
American Colloid Co (P)
B T Chemco
Bergstrom Trading Co
►BERKSHIRE CHEMS INC
Bonewitz Chems
Fisher Scientific Co
Howe & French
International Minerals & Chem Corp, Eastern Clay Products Dept
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
National Lead Co (P)
L A Salomon & Bro
Tamms Industries
Tar Residuals
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
Wyo-Ben Products Co (P)
Archer-Daniels-Midland Co (P) Magnet Cove Barium Corp (P)
Baroid Chems (P) Nalco Chem Co (P)
Commercial Minerals Co (P) Western Chem & Mfg Co (P)
Culligan, Inc (P)

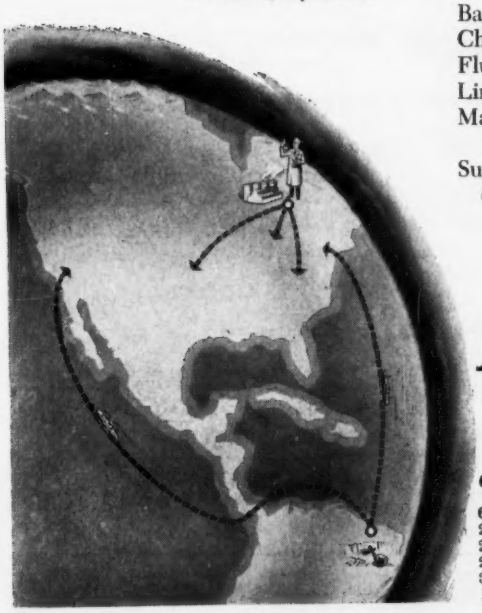
BENZALACETOPHENONE (Chalcone, Phenyl Styryl Ketone)
Aero Chem Corp (P)
Aldrich Chem Co (P)
►TRUBEK LABS (P)
Borden Chem Co (P) Noville Essential Oil Co (P)

BENZAL CHLORIDE (Benzylidene Chloride, Benzyl Dichloride, Chlorobenzal)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►HOOKER CHEM CORP (P)
Mercury Chem Corp
►TENNESSEE PRODUCTS & CHEM CORP (P)
Heyden Newport Chem Corp (P)

BENZALDEHYDE (Artificial Oil of Almonds, Benzoic Aldehyde, Benzoyl Hydride, Benzene Carbonal, Benzene Methylal)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
George Lueders & Co
►TENNESSEE PRODUCTS & CHEM CORP (P)
Heyden Newport Chem Corp (P) Felton Chem Co (P)

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(Alkyl dimethyl benzyl ammonium chloride)

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Benzene
Sulfonamide

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State College, Pennsylvania
Adams 8-2424

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►ACETO CHEM CO
Fine Organics (P)
Intex Chem Corp (P)
►ONYX CHEM CORP (P)
Process Chems Co (P)
Rohm & Haas Co (P)
Treplow Chem Co (P)
George Uhe Co
American Alcolac Corp (P) Emkay Chem Co (P)
Barlow Chem Corp (P) Winthrop Labs (P)

BENZAMIDE (Benzenecarbonamide, Benzoic Amide)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)
Andor Labs (P) Clinical Chems Corp (P)

BENZANILIDE (N-Phenylbenzamide; N-Benzoylaniline)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Eastern Chem Corp (P)

1,2-BENZANTHRACENE
Aldrich Chem Co (P)
Distillation Products Industries (P)
K & K Labs (P)
Edcan Labs (P)

2,3-BENZANTHRACENE
Aldrich Chem Co (P)
K & K Labs (P)
Edcan Labs (P) Signal Oil & Gas Co (P)

1-BENZAZINE see Quinoline

BENZENE see Benzol

BENZENE CARBONAL see Benzaldehyde

BENZENE CHLORIDE see Chlorobenzene

BENZENE DIAZONIUM HEXAFLUOROPHOSPHATE
Ozark-Mahoning Co (P)

1,2-BENZENE DICARBONYL CHLORIDE see Phthaloyl Chloride

1,2-BENZENEDIOL see Pyrocatechol

1,3-BENZENEDIOL see Resorcinol

BENZENE HEXACHLORIDE (1,2,3,4,5,6-Hexachlorocyclohexane)
Chempar Chem Co (P)
Diamond Alkali Co (P)
►HOOKER CHEM CORP (P)
International Selling Corp
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
H P Rossiger & Co
Thomsen-Hayward Chem Co
Trio Chem Works (P)
Hayes-Sammons Chem Co (P) Frontier Chem Co (P)
Ortho Div (P)

γ-BENZENE HEXACHLORIDE see Lindane

BENZENE HEXAHYDRIDE see Cyclohexane

BENBENE METHYLAL see Benzaldehyde

BENZENE PHOSPHORUS DICHLORIDE
Aldrich Chem Co (P)
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BENZENE PHOSPHORUS OXYDICHLORIDE
Aldrich Chem Co (P)
►VICTOR CHEM WORKS (P)

BENZENE PHOSPHORUS THIODICHLORIDE
Aldrich Chem Co (P)
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BENZENE SULFONAMIDE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Nease Chem Co (P)

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►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Douge & Olcott
Nease Chem Co (P)

BENZENE TETRAHYDRIDE see Cyclohexene

1,2,4-BENZENETRIOL (Hydroxyhydroquinone)
K & K Labs (P)

1,3,5-BENZENETRIOL see Phloroglucinol

BENZENONE see Quinone

BENZHYDROL
Fritzsche Bros
►TRUBEK LABS (P)
Hexagon Labs (P)

BENZHYDRYLAMINE
►TRUBEK LABS (P)

BENZHYDRYL CHLORIDE
►TRUBEK LABS (P)

BENZIDAM see Aniline

BENZIDINE (Benzidine Base, p-Diaminodiphenyl, Bianiline)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hostachem Corp
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BENZIDINE HYDROCHLORIDE
Carwin Co (P)
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BENZIDINE YELLOW

Flo Color & Chem Corp
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Sherwin-Williams Co (P)

Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Fredk H Levey Co (P)
Imperial Color Chem & Paper Dept (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Standard Ultramarine & Color Co (P)
Western Dry Color Co (P)

BENZIL

Aero Chem Corp (P)
Fairmount Chem Co (P)

Clinical Chems Corp (P)
Heyden Newport Chem Corp (P)
B L Lemke & Co (P)
Signal Oil & Gas Co (P)

BENZIMIDAZOLE (Benzoglyoxaline)

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Fairmount Chem Co (P)

United Fuel Gas Co (P)

BENZINE see Petroleum Benzine

BENZINOFORM see Carbon Tetrachloride

BENZOCAINE see Ethyl p-Aminobenzoate

BENZOCARBONYL CHLORIDE see Benzoyl Chloride

2,3-BENZOFLUORENE

Aldrich Chem Co (P)
K & K Labs (P)

Edcan Labs (P)

BENZOFURAN see Coumarone

BENZOFURAN RESINS see Resins, Coumarone-Indene

BENZOIC ALDEHYDE see Benzaldehyde

BENZOIC ANHYDRIDE

Eastern Chem Corp (P)
K & K Labs (P)

Brothers Chem Co (P)

BENZOIN

►ACETO CHEM CO (P)
►BENZOL PRODUCTS CO (P)
Fairmount Chem Co (P)
International Flavors & Fragrances (P)
►McKESSON & ROBBINS, CHEM DEPT
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RSA Corp (P)

Clinical Chems Corp (P)
Heyden Newport Chem Corp (P)
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Schimmel & Co (P)

BENZOIN RESIN see Gum, Benzoin

α-BENZOINOXIME (Cupron)

►ACETO CHEM CO (P)
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
RSA Corp (P)

Andor Labs (P)
Clinical Chems Corp (P)

BENZOL (Benzene, Coal Naphtha, Phenyl Hydride, Cyclohexatriene)

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co (P)
Amoco Chems Co
B T Chemco
►BAIRD CHEM INDUSTRIES, INC
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Mallinckrodt Chem Works
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Thompson-Hayward Chem Co
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Shell Oil Co (P)
Signal Oil & Gas Co (P)
Tenneco Oil Co (P)
Texaco Inc (P)
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Velsicol Chem Corp (P)
Vickers Petroleum Co (P)

BENZOLINE see Petroleum Benzine

BENZONAPHTHOL (β-Naphthol Benzoate)

Millmaster Chem Corp (P)
RSA Corp (P)

BENZONITRILE (Phenyl Cyanide, Cyanobenzene, Benzenecarbon Nitrile)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P
►TENNESSEE PRODUCTS & CHEM CORP (P)

BENZOPHENONE (Diphenyl Ketone, Benzoylbenzene)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Chem Co
Florasynth Labs
Fritzsche Bros
Glaudan-Delawanna (P)
►R W GREEFF & CO
►KAY-FRIES CHEMS (P)
Kolon Trading Co
►TRUBEK LABS (P)

Fries Bros (P)
Gamma Chem Corp (P)

BENZOPHENONE OXIDE see Xanthone

BENZOPYRONE see Coumarin

BENZOPYRROLE see Indole

BENZOQUINOLINE

►ACETO CHEM CO (P)
Aldrich Chem Co (P)
Eastern Chem Corp (P)
RSA Corp (P)

BENZOQUINONE see Quinone

2-BENZOTHIAZYL-N,N-DIETHYLTHIO-CARBAMYL SULFIDE

Pennsalt Chems Corp (P)

BENZOTHIAZYL DISULFIDE

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)

Naugatuck Chem Div (P)

1,2,3-BENZOTRIAZOLE

Fairmount Chem Co (P)
Philip A Hunt Co
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maumee Chem Co (P)
Morton Chem Co (P)
Riches-Nelson, Inc

BENZOTRICHLORIDE (Phenylchloroform)

►HOOKER CHEM CORP (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)

Heyden Newport Chem Corp (P)

BENZOTRIFLUORIDE (Trifluorotoluene, Phenyl Fluoroform)

►HOOKER CHEM CORP (P)

Halocarbon Products Corp (P)

BENZOL
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2-Chloro-5-aminobenzotrifluoride
2-Chloro-5-nitrobenzotrifluoride
2,2'-Dinitro-4,4'-ditrifluoromethyldiphenyldisulfide
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Maumee Chem Co (P)
Riches-Nelson, Inc

Halocarbon Products Corp (P)
Peninsular Chem-Research (P)
Pierce Chem Co (P)

BENZOYL CHLORIDE (Benzocarbonyl Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J F Henry Chem Co
►HOOKER CHEM CORP (P)
Mallinckrodt Chem Works (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)

Heyden Newport Chem Corp (P)
Borden Chem Co (P)

BENZOYLENE UREA

Maumee Chem Co (P)

BENZOYL HYDRIDE see Benzaldehyde

BENZOYL PEROXIDE (Benzoyl Superoxide)

►ACETO CHEM CO
Lucidol Div, Wallace & Tiernan Inc (P)
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BENZOYL SUPEROXIDE see Benzoyl Peroxide

2-BENZOYL THIOPHENE

Aldrich Chem Co (P)
K & K Labs
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
RSA Corp (P)
Roberts Chems, Inc (P)

BENZYL ACETATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Mercury Chem Corp

Descollonges, Inc (P)
Rhodia, Inc (P)
Shulton Inc (P)

BENZYLAMINE

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
►MILES CHEM CO (P)

Ames Labs (P)
Fries Bros (P)
Hexagon Labs (P)
Naugatuck Chem Div (P)

BENZYLANILINE

►MILES CHEM CO (P)

BENZYLBENZENE see Diphenyl Methane

BENZYL BENZOATE

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Kolker Chem Corp (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)

Descollonges, Inc (P)
Schimmel & Co (P)
Shulton Inc (P)

BENZYL BROMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)

BENZYL BUTYRATE

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO

Descollonges, Inc (P)
Felton Chem Co (P)
Fries Bros (P)
Maywood Chem Works, Div Stepan Chem Co (P)
Schimmel & Co (P)

BENZYL CARBINOL see Alcohol, Phenyl Ethyl

BENZYL CHLORIDE (α-Chlorotoluene)

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J F Henry Chem Co
►HOOKER CHEM CORP (P)
Mallinckrodt Chem Works (P)

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►MONSANTO CHEM CO (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)
Edward Trueger & Co (P)

Heyden Newport Chem Corp (P)

o-BENZYL-p-CHLOROPHENOL

►MONSANTO CHEM CO (P)

BENZYL CINNAMATE

Florasynth Labs
Fritzsche Bros (P)
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►R W GREEFF & CO
International Flavors & Fragrances (P)

Descollonges, Inc (P) Fries Bros (P)
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BENZYL CYANIDE (Benzylnitrile, Phenyl Acetonitrile)

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►TRUBEK LABS (P)

Andor Labs (P)

BENZYL DICHLORIDE see Benzal Chloride

BENZYL DIETHANOLAMINE

Aldrich Chem Co (P)
►MILES CHEM CO (P)

BENZYL DIMETHYLAMINE

Aldrich Chem Co (P)
►R W GREEFF & CO
Maumee Chem Co (P)
►MILES CHEM CO (P)
Riches-Nelson, Inc
Miller-Stephenson Chem Co

Anderson Chem Div (P) Fries Bros (P)
Barlow Chem Corp (P)

BENZYL DISULFIDE

Aldrich Chem Co (P)
Fine Organics (P)

Carlisle Chem Works (P) Mathe Chem Co (P)

BENZYLETHANOLAMINE

►MILES CHEM CO (P)

BENZYL FORMATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO (P)

Andor Labs (P) Maywood Chem Works, Div
Descollonges, Inc (P) Stepan Chem Co
Felton Chem Co (P) Schimmel & Co (P)
Fries Bros (P)

BENZYL p-HYDROXYBENZOATE

Goldschmidt Chem Corp (P)
►R W GREEFF & CO

Heyden Newport Chem Corp (P)

BENZYLIDENE ACETONE (Benzalacetone; 4-Phenyl-3-Buten-2-one; Cinnamyl Methyl Ketone)

►BENZOL PRODUCTS CO (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Maywood Chem Works, Div Stepan Chem Co (P) Descollonges, Inc (P) Noville Essential Oil Co (P)

BENZYLIDENE CHLORIDE see Benzal Chloride

BENZYL ISOPROPYLAMINE

►MILES CHEM CO (P)

BENZYL MERCAPTAN (α-Toluenethiol)

►ACETO CHEM CO (P)
►EVANS CHEMETICS (P)
Faesy & Besthoff
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
K & K Labs

Kaplop Labs (P)

BENZYLMETHYLAMINE

Aldrich Chem Co (P)
Gane's Chem Works (P)
►MILES CHEM CO (P)

Fries Bros (P)

BENZYL METHYL ETHANOLAMINE

►MILES CHEM CO (P)

BENZYL-b-METHYL UMBELLIFERONE

Fiber Chem Corp (P)

BENZYLNITRILE see Benzyl Cyanide

p-BENZYL PHENOL

Roberts Chems, Inc (P)

BENZYL PROPIONATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
International Flavors & Fragrances (P)

Descollonges, Inc (P) Fries Bros (P)
Felton Chem Co (P) Schimmel & Co (P)

2-BENZYL PYRIDINE

Aldrich Chem Co (P)
Midland Tar Distillers
Reilly Tar & Chem Corp (P)

4-BENZYL PYRIDINE

Aldrich Chem Co (P)
Midland Tar Distillers
Reilly Tar & Chem Corp (P)

BENZYL SALICYLATE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)

Descollonges, Inc (P) Felton Chem Co (P)

BENZYL SUCCINATE

Florasynth Labs

B L Lemke & Co (P)

BENZYL SULFIDE (Dibenzyl Sulfide)

Aldrich Chem Co (P)

Kaplop Labs (P) Troy Chem Co (P)
Mathe Chem Co (P)

BENZYL THIOCYANATE

►HOOKER CHEM CORP (P)

BENZYLTRIMETHYLAMMONIUM CHLORIDE

►COMMERCIAL SOLVENTS CORP (P)
Fine Organics (P)
Intex Chem Corp (P)
►MILES CHEM CO (P)

Andor Labs (P) Barlow Chem Corp (P)

BENZYLTRIMETHYLAMMONIUM HYDROXIDE

►ACETO CHEM CO
Aldrich Chem Co (P)
Eastern Chem Corp (P)
Fine Organics (P)
►MILES CHEM CO (P)

Anderson Chem Div (P)

BENZYLTRIMETHYLAMMONIUM METHOXIDE

►MILES CHEM CO (P)

Xanthippe Chems (P)

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►ABBOTT LABS (P)
►R W GREEFF & CO

Inland Alkaloid (P)

BERYL (Beryllium Aluminum Silicate)

Indussa Corp
Var-Lac-Old Chem Co

BERYLLIUM ALUMINUM SILICATE see Beryl

BERYLLIUM CARBONATE, BASIC

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Var-Lac-Old Chem Co (P)

Brush Beryllium Co (P)

BERYLLIUM CHLORIDE

Var-Lac-Old Chem Co (P)

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Belmont Smelting & Refining Works (P)

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BERYLLIUM HYDROXIDE

Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Brush Beryllium Co (P)

BERYLLIUM, METAL

Belmont Smelting & Refining Works (P)
Fairmount Chem Co (P)
International Selling Corp
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Brush Beryllium Co (P)
Metals & Controls Inc (P)

BERYLLIUM NITRATE (Glucinum Nitrate)

Fairmount Chem Co (P)
Pfaltz & Bauer, Inc
Var-Lac-Old Chem Co (P)

Brush Beryllium Co (P)

BERYLLIUM OXIDE (Glucinum Oxide)

Fairmount Chem Co (P)
International Selling Corp
Var-Lac-Old Chem Co (P)

Brush Beryllium Co (P)

BERYLLIUM PHOSPHATE

City Chem Corp (P)

Brush Beryllium Co (P)

BERYLLIUM SULFATE

Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Brush Beryllium Co (P)

BETAINE BASE, ANHYDROUS (Lycine; Oxyneurine; Trimethylglycine)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Hoffman Labs (P)
International Minerals & Chem Corp, Amino Products Div (P)

B L Lemke & Co (P)
Roselle Labs (P)

BETAINE HYDROCHLORIDE (Trimethylglycine Hydrochloride)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Fine Organics (P)
►R W GREEFF & CO
Hoffman Labs (P)
International Minerals & Chem Corp, Amino Products Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

B L Lemke & Co (P)
Roselle Labs (P)

BETAINE IODIDE

Gallard-Schlesinger Chem Mfg Corp (P)
►R W GREEFF & CO
Hoffman Labs (P)
RSA Corp (P)

Polychemical Labs (P)
Roselle Labs (P)

BETAINE PHOSPHATE

Hoffman Labs (P)

Roselle Labs (P)

BIACETYL see Diacetyl

BIANILINE see Benzidine

BICYCLODECANE see Decahydronaphthalene

BIEBERITE see Cobalt Sulfate

BILIFULVIN see Bilirubin

BILIRUBIN (Biliphaein, Bilifulvin, Cholepyrhin, Hematoidin)

Browning Chem Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Fisher Scientific Co (P)
K & K Labs (P)
Pfanstiehl Labs (P)

Andor Labs (P)
Glogau & Co (P)

BINDERS, BRIQUETTE

►KOPPERS CO, TAR PRODUCTS DIV (P)
►PHILADELPHIA QUARTZ CO (P)
Stein Hall & Co

Anheuser-Busch (P)
Consolidated Water Power & Paper Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
Crown Zellerbach Corp (P)
Marathon Div (P)
National Starch & Chem Corp (P)
Puget Sound Pulp & Timber Co (P)
Swift & Co, Adhesive Products Dept (P)

BINDERS, CORE

American Oil & Supply Co (P)
Degen Oil & Chem Co (P)
Diamond Alkali Co (P)
Hercules Powder Co (P)
E & F King & Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►MONSANTO CHEM CO (P)
Pennotex Oil Corp (P)
►PHILADELPHIA QUARTZ CO (P)
►QUAKER OATS CO (P)
Stein Hall & Co
Union Carbide Chems Co (P)

American-Marietta Co (P)
Anheuser-Busch (P)
Archer-Daniels-Midland Co (P)
Baroid Chems (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Consolidated Water Power & Paper Co (P)
Crown Zellerbach Corp (P)
Franklin Oil Corp (P)
B F Goodrich Chem Co (P)
E F Houghton & Co (P)
Mona Industries (P)
National Polychems (P)
National Starch & Chem Corp (P)
Plastics Engrg Co (P)
Pruett-Schaffer Chem Co (P)
Puget Sound Pulp & Timber Co (P)
Reichhold Chems, Inc (P)
Werner G Smith, Inc (P)

BINDERS, HARDBOARD

Diamond Alkali Co (P)
►MONSANTO CHEM CO (P)
►PHILADELPHIA QUARTZ CO (P)

Adhesive Products Corp (P)
American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Firestone Plastics Co (P)
National Polychems (P)
National Starch & Chem Corp (P)
Perkins Glue Co (P)
Plastics Engr Co (P)
Puget Sound Pulp & Timber Co (P)
Reichhold Chems, Inc (P)

BINDERS, PAINT

►AIR REDUCTION CHEM & CARBIDE CO (P)
Croda, Inc
Hercules Powder Co (P)
Rohm & Haas Co (P)

Adhesive Products Corp (P)
Alkydol Labs (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Firestone Plastics Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
National Starch & Chem Corp (P)

BINDERS, ROCKWOOL

Hercules Powder Co (P)

American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
National Polychems (P)
National Starch & Chem Corp (P)
Reichhold Chems, Inc (P)

BINDERS, SHELL MOLDING

►MONSANTO CHEM CO (P)
►PHILADELPHIA QUARTZ CO (P)
Riches-Nelson, Inc

Adhesive Products Corp (P)
American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Consolidated Water Power & Paper Co (P)
Imperial Adhesives (P)
National Polychems (P)
Plastics Engrg Co (P)
Reichhold Chems, Inc (P)

BINDERS, TANNING

B T Chemco
►NOPCO CHEM CO (P)

B B Chem Co (P)
Catalin Corp of America (P)
Borne Chem Co (P)
National Starch & Chem Corp (P)

BINDERS, TEXTILE

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Geigy Dyestuffs Div (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Rohm & Haas Co (P)
Stein Hall & Co (P)
Union Carbide Chems Co (P)
Valchem (P)
Verona-Pharma Chem Corp (P)

Adhesive Products Corp (P)
Arnold, Hoffman & Co (P)
B B Chem Co (P)
Borden Chem Co (P)
Borne Chem Co (P)
Catalin Corp of America (P)
Ciba Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Finetex Inc (P)
Firestone Plastics Co (P)
E F Houghton & Co (P)
Imperial Adhesives (P)
Jov Chem Inc (P)
Morningstar-Paisley, Inc (P)
Mona Industries (P)
National Polychems (P)
National Starch & Chem Corp (P)
Naugatuck Chem Div (P)
Polyvinyl Chems (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Sandoz, Inc (P)
Scher Bros (P)
Standard Chem Products (P)
Swift & Co, Adhesive Products Dept (P)
Titan Chem Products (P)
UBS Chem Corp (P)
Warwick Chem Div (P)
Wica Chems (P)

BIOCHEMICAL INTERMEDIATES

Aero Chem Corp (P)
Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Dow Chem Co (P)
Eastern Chem Corp (P)
Pfanstiehl Labs (P)
RSA Corp (P)
Sigma Chem Co (P)

Amber Labs (P)
Borden Chem Co (P)
Matheson Coleman & Bell (P)
Pfister Chem Works (P)
Winthrop Labs (P)
Xanthippe Chems (P)

BIOCHEMICAL REAGENTS

Aldrich Chem Co (P)
Applied Science Labs (P)
Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
Fisher Scientific Co (P)
Merck Chem Div (P)
Pfanstiehl Labs (P)
RSA Corp (P)
Sigma Chem Co (P)

Amber Labs (P)
Bio-Rad Labs (P)
Borden Chem Co (P)
Fermco Labs (P)
Hartman-Leddon Co (P)
Kaplop Labs (P)
Krishell Labs (P)
Matheson Coleman & Bell (P)
Pierce Chem Co (P)
Schwarz BioResearch (P)
Xanthippe Chems (P)

BIOTIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►S B PENICK & CO, NYQ CHEM DIV

Hart Products Corp (P)
Hoffmann-La Roche (P)

o,o'-BIPHENOL

K & K Labs (P)

BIPHENYL see Diphenyl

BIPYRIDINE see Dipyridyl

BIS(2-CHLOROETHYL) VINYL PHOSPHONATE

Aldrich Chem Co (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

BISHYDROXYCOUMARIN (Dicumarol)

►ABBOTT LABS (P)
►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)

Glogau & Co (P)

BISMUTH CHLORIDE (Bismuth Trichloride, Bismuthous Chloride)

►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH CHLORIDE, BASIC see Bismuth Oxychloride

BISMUTH CITRATE
►S B PENICK & CO, NYQ CHEM DIV (P)
Premium Chems (P)

BISMUTH FLUORIDE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Ozark-Mahoning Co (P)

BISMUTH GLYCOLYL ARSANILATE
RSA Corp (P)
Polychemical Labs (P) Winthrop Labs (P)

BISMUTH HYDRATE see Bismuth Hydroxide

BISMUTH HYDROXIDE (Bismuth Hydrate)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH IODIDE
City Chem Corp
Gallard-Schlesinger Chem Mfg Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)
Polychemical Labs (P)

BISMUTH LACTATE
City Chem Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Premium Chems (P)

BISMUTH, METAL
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Belmont Smelting & Refining Works (P)
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
Kawecki Chem Co (P)
Mallinckrodt Chem Works (P)
Penn Rare Metals (P)
American Smelting & Refining Co (P) Bram Metallurgical-Chem Co (P)
Division Lead Co (P)

BISMUTH NITRATE (Bismuth Trinitrate, Bismuth Ternitrate, Carnot's Reagent)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Polychemical Labs (P)

BISMUTH NITRATE, BASIC see Bismuth Subnitrate

BISMUTHOUS OXIDE see Bismuth Trioxide

BISMUTH OXYCHLORIDE (Bismuthyl Chloride, Bismuth Subchloride, Pearl White, Cosmetic Bismuth, Basic Bismuth Chloride, Blanc d'Espagne, Blanc de Perle)
Mallinckrodt Chem Works (P)
Mearl Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Rona Pearl Corp (P)
Var-Lac-Old Chem Co (P)

BISMUTH OXYIODIDE (Bismuth Subiodide)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH PHOSPHATE
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH SALICYLATE
►J T BAKER CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)

BISMUTH STANNATE
►METAL & THERMIT CORP (P)
Var-Lac-Old Chem Co (P)

BISMUTH SUBACETATE (Basic Bismuth Acetate, Bismuthyl Acetate)
City Chem Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH SUBCARBONATE (Bismuthyl Carbonate)
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)

BISMUTH SUBCHLORIDE see Bismuth Oxychloride

BISMUTH SUBGALLATE
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Polychemical Labs (P)

BISMUTH SUBNITRATE (Bismuthyl Nitrate, Bismuth White, Flake White, Spanish White, Magistery of Bismuth, Basic Bismuth Nitrate)
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)

BISMUTH SUBSALICYLATE (Bismuth Oxysalicylate)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Beacon Chem Industries (P)

BISMUTH SULFATE
City Chem Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH TARTRATE
City Chem Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Premium Chems (P)

BISMUTH TERNITRATE see Bismuth Nitrate

BISMUTH TITANATE
►TITANIUM ALLOY MFG DIV (P)

BISMUTH TRIBROMOPHENATE (Tribromophenol-Bismuth)
►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

BISMUTHS

BISMUTH SUBNITRATE N.F.
BISMUTH NITRATE
BISMUTH SUBCARBONATE U.S.P.
BISMUTH OXIDE ANHYDROUS
BISMUTH OXYCHLORIDE
BISMUTH SALICYLATE

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BISMUTH TRICHLORIDE see Bismuth Chloride

BISMUTH TRIOXIDE (Bismuth Oxide, Bismuth Yellow, Flowers of Bismuth)

►S B PENICK & CO, NYQ CHEM DIV (P)

BISMUTH TUNGSTATE

City Chem Corp (P)
Shwayder Chem Metallurgy Corp (P)
Var-Lac-Old Chem Co (P)

Premium Chems (P)

BISMUTH WHITE see Bismuth Subnitrate

BISMUTH YELLOW see Bismuth Trioxide

BISMUTHYL CARBONATE see Bismuth Subcarbonate

BISMUTHYL CHLORIDE see Bismuth Oxychloride

BISMUTHYL NITRATE see Bismuth Subnitrate

BISMUTH ZIRCONATE

►TITANIUM ALLOY MFG DIV (P)
Var-Lac-Old Chem Co (P)

BISPHENOL A see p,p'-Isopropylidenediphenyl

1,4-BIS-2-(5-PHENYLOXAZOLYL) BENZENE (POPOP, Phenyl-Oxazolyl-Phenyl-Oxazolyl-Phenyl)

Aldrich Chem Co (P)
Arapahoe Chems (P)
K & K Labs (P)

Pilot Chems, Inc (P)

BIS(TRICHLOROSILYL)ETHANE

Union Carbide Corp, Silicones Div (P)

Peninsular ChemResearch (P)

BITHIONOL (Bis [2-Hydroxy-3,5-Dichlorophenyl] Sulfide)

Catalin Corp of America (P)
Polychemical Labs (P)
R T Vanderbilt Co (P)
Winthrop Labs (P)

3,3'-BITOLYLENE-4,4'-DIISOCYANATE (TODI)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Carwin Co (P)

BITUMEN see Asphalt

BIURET (Allophanamide; Carbamylurea)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Sherwin-Williams Co (P)

BIVINYL see Butadiene

BIXIN see Annatto

BLACK BALSAM see Balsam, Peruvian

BLACK OXIDE OF MANGANESE see Manganese Dioxide

BLACK ROUGE see Iron Oxide, Black

BLANC D'ESPAGNE see Bismuth Oxychloride

BLANC DE PERLE see Bismuth Oxychloride

BLANC FIXE (Precipitated Barium Sulfate, Synthetic Barytes, Synthetic Heavy Spar, Permanent White, Terra Ponderosa)—see also Barium Sulfate

H J Baker & Bro
Faesy & Besthoff
Filo Color & Chem Corp
►FMC CORP, MINERAL PRODUCTS DIV (P)
►HARSHAW CHEM CO
International Chem Corp
Interstate Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
E M Sergeant Pulp & Chem Co
Smith Chem & Color Co
Tar Residuals
Charles A Wagner Co
Whittaker, Clark & Daniels

Standard Ultramarine & Color Co (P)
Barium & Chems (P)

BLEACHING ASSISTANTS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Antara Chems Div (P)
Atlas Chem Industries, Chems Div (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Geigy Dyestuffs Div (P)
►HOOKER CHEM CORP (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Rumford Chem Works (P)
Tamms Industries
Union Carbide Chems Co (P)
Verona-Pharma Chem Corp (P)
►WYANDOTTE CHEMS CORP (P)

Britex Corp (P)
Bryant Chem Corp (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
E F Houghton & Co (P)
Legrand Chem Corp (P)
Lestoil Products (P)
Metro-Atlantic, Inc (P)
Mona Industries
Scher Bros (P)
Scholler Bros (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)
Jacques Wolf & Co (P)

BLEACHING POWDER see Chlorinated Lime

BLOOD, DRIED

H J Baker & Bro

Armour Alliance Industries (P)
Wilson Labs (P)
United Chem & Organic Products (P)

BLOWING AGENTS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, ELASTOMERS DEPT (P)
C P Hall Co (P)
Harwick Standard Chem Co
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WYANDOTTE CHEMS CORP (P)

Arnold, Hoffman & Co (P)
E F Drew & Co (P)
Fermco Labs (P)
National Polychems (P)
Naugatuck Chem Div (P)

BLUE COPPERAS see Copper Sulfate

BLUE VITRIOL see Copper Sulfate

BOILER COMPOUNDS

Dow Chem Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►STAUFFER CHEM CO (P)
Union Carbide Chems Co (P)

Amplon Corp (P)
Arco Co (P)
Arol Chem Products (P)
Bell-Ray Chem Corp (P)
Britex Corp (P)
Chicago Sanitary Products Co (P)
Clarkson Labs (P)
Crown Zellerbach Corp (P)
Dacar Chem Products (P)
E F Drew & Co (P)
Elgin Softener Corp (P)
Feedwaters, Inc (P)
Industrial Materials Co (P)
Hagan Chems & Controls (P)
Marathon Div (P)
L Carlton Mertz Co (P)
Mona Industries (P)
Nalco Chem Co (P)
Oakite Products (P)
Riverside Chem Co (P)
E W Smith Chem Co (P)
Sumco Products (P)
Uncle Sam Chem Co (P)
Western Chem Co (P)
Wye Industries (P)

BOIL-OFF ASSISTANTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
M Michel & Co
►NOPCO CHEM CO (P)
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
Rumford Chem Works
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Bryant Chem Corp (P)
Ciba Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Finetex Inc (P)
Fabric Chem Co (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Pfister Chem Works (P)
Sandoz, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

BONE ASH

American Oil & Supply Co (P)
H J Baker & Bro
Gallard-Schlesinger Chem Mfg Corp
►MONSANTO CHEM CO (P)

United Chem & Organic Products (P)

BONE BLACK (Animal Charcoal)

►AMERICAN AGRICULTURAL CHEM CO (P)
H J Baker & Bro
Barneby-Cheney Co (P)
Columbian Carbon Co (P)
Riches-Nelson, Inc
Smith Chem & Color Co (P)
►STAUFFER CHEM CO (P)

Consolidated Chem Industries (P)
Landers-Segal Color Co (P)

BONE FLOUR, EDIBLE

Gallard-Schlesinger Chem Mfg Corp
►STAUFFER CHEM CO (P)

Consolidated Chem Industries (P)
United Chem & Organic Products (P)

BONE, GROUND & MEAL

H J Baker & Bro
Faesy & Besthoff
►STAUFFER CHEM CO (P)

Consolidated Chem Industries (P)
Swift & Co, Adhesive Products Dept (P)
United Chem & Organic Products (P)

BONE PHOSPHATE see Calcium Phosphate, Tribasic

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

BORATE COMPOUNDS

►AMERICAN POTASH & CHEM CORP (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►McKESSON & ROBBINS, CHEM DEPT
►STAUFFER CHEM CO (P)
U S Borax (P)

Norton Chem Works (P)

BORAX—see also Sodium Borate

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Oil & Supply Co
►AMERICAN POTASH & CHEM CORP (P)
B T Chemco
Bergstrom Trading Co
Croton Chem Corp
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Howe & French
►JONES CHEMS, INC
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
E M Sergeant Pulp & Chem Co
J U Starkweather Co
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
U S Borax (P)

BORDEAUX MIXTURE

Faesy & Besthoff

Miller Products Co (P) Ortho Div (P)

BORIC ANHYDRIDE see Boron Oxide

BORNEO CAMPHOR see Borneol

BORNEOL (Borneo Camphor, Bornyl Alcohol, Baras Camphor, Malayan Camphor, Sumatra Camphor, Dihydroxycamphene, Camphanol)

Aldrich Chem Co (P)
Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fritzsche Bros

Schimmel & Co (P)

BORNYL ACETATE

Aldrich Chem Co (P)
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BOROFORM see Acetylene Tetrachloride

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BROMOTRICHLOROMETHANE
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1,4-BUTANEDIOL DICAPRYLATE
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BUTANEDIONE see Diacetyl

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RSA Corp (P)
Andor Labs (P)
Brothers Chem Co (P)

sec.-BUTYL IODIDE
Eastern Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)
K & K Labs (P)
RSA Corp (P)
Andor Labs (P)
Brothers Chem Co (P)

n-BUTYL ISOCYANATE
Carwin Co (P)

BUTYL ISODECYL PHTHALATE
►ALLIED CHEM CORP, PLASTICS DIV (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Mercury Chem Corp (P)
Stoney-Mueller, Inc

n-BUTYL LACTATE
►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC (P)
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
Stoney-Mueller, Inc
Robinson Wagner Co (P)

BUTYL LAURATE
Applied Science Labs (P)
Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Beacon Chem Industries (P)
Mathe Chem Co (P)

n-BUTYL LITHIUM
►AMERICAN POTASH & CHEM CORP (P)
►LITHIUM CORP OF AMERICA (P)
Peninsular Chem-Research (P)
Foote Mineral Co (P)

n-BUTYL MAGNESIUM CHLORIDE
Arapahoe Chems (P)
Millmaster Chem Corp
Peninsular ChemResearch (P)

n-BUTYL MERCAPTAN
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)
Eastern States Petroleum & Chem Corp (P)
Kaplop Labs (P)

tert.-BUTYL MERCAPTAN
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)

n-BUTYL METHACRYLATE
►DU PONT, ELECTROCHEMS DEPT (P)
Rohm & Haas Co (P)
Borden Chem Co (P)

BPC BPC BPC
ALKYL BROMIDES:
n-Amyl
Sec.-Amyl
Prim.-Isoamyl
n-Butyl
Isobutyl
Sec.-Butyl
n-Hexyl
Propargyl
n-Propyl
Isopropyl
BPC
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Manufacturers of Fine Chemicals

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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BUTYL MYRISTATE

Applied Science Labs (P)
Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Arnold, Hoffman & Co (P)
Beacon Chem Industries (P)
Mathe Chem Co (P)
Robinson Wagner Co (P)

BUTYL OCTYL PHTHALATE

►ALLIED CHEM CORP, PLASTICS DIV (P)
►CHEMICAL SOLVENTS, INC
►EASTMAN CHEM PRODUCTS (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Mercury Chem Corp (P)
►PEERLESS OIL & CHEM CORP
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc

Reichhold Chems, Inc (P)
Rubber Corp of America (P)

BUTYL OLEATE

►ACETO CHEM CO
Applied Science Labs (P)
Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Harwick Standard Chem Co
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Stoney-Mueller, Inc
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Arnold, Hoffman & Co (P)
Beacon Chem Industries (P)
Carlisle Chem Works (P)
Davies-Young Soap Co (P)
FMC Corp, Chems & Plastics Div (P)
C P Hall Co (P)
Mathe Chem Co (P)
Robinson Wagner Co (P)
Rubber Corp of America (P)
Wica Chems (P)

tert.-BUTYL PERACETATE

Lucidol Div, Wallace & Tiernan Inc (P)

tert.-BUTYL PERBENZOATE

Lucidol Div, Wallace & Tiernan Inc (P)

o-sec.-BUTYLPHENOL

Dow Chem Co (P)
Midland Tar Distillers

p-sec.-BUTYLPHENOL

Dow Chem Co (P)
Midland Tar Distillers

o-tert.-BUTYLPHENOL

►ETHYL CORP (P)

p-tert.-BUTYLPHENOL

Dow Chem Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Union Carbide Chems Co (P)

Stepan Chem Co, Industrial Chems Div (P)

2-(p-tert.-BUTYLPHENOXY) ISOPROPYL-2-CHLORO-ETHYLSULFITE

Naugatuck Chem Div (P)

BUTYL o-PHENYLPHENOL SODIUM SULFONATE

Faesy & Besthoff
RSA Corp (P)
Roberts Chems, Inc (P)

BUTYL PHOSPHATE see Tributyl Phosphate

n-BUTYL POLYMETHACRYLATE

Sartomer Resins Inc (P)

n-BUTYL PROPIONATE

Florasynth Labs

n-BUTYL RICINOLEATE

Baker Castor Oil Co (P)
Kessler Chem Co (P)

Deecy Products Co (P)
Process Chem Co (P)
Robinson Wagner Co (P)

BUTYL RUBBER

Custom Polymers (P)

n-BUTYL STEARATE

►ACETO CHEM CO
Applied Science Labs (P)
►BAIRD CHEM INDUSTRIES, INC
Columbian Carbon Co
►COMMERCIAL SOLVENTS CORP (P)
►R W GREEFF & CO
Harchem Div, Wallace & Tiernan Inc (P)
Kessler Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)
J U Starkweather Co
Stoney-Mueller, Inc
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Arnold, Hoffman & Co (P)
Beacon Chem Industries (P)
Carlisle Chem Works (P)
C P Hall Co (P)
FMC Corp, Chems & Plastics Div (P)
Mathe Chem Co (P)
Robinson Wagner Co (P)
Rubber Corp of America (P)

n-BUTYLTRICHLOROSILANE

Peninsular ChemResearch (P)

1-BUTYNE (Ethyl Acetylene)

►AIR REDUCTION CHEM & CARBIDE CO (P)
Farchan Research Labs (P)

2-BUTYNE-1,4-DIOL

Aldrich Chem Co (P)
Antara Chems Div (P)
Farchan Research Labs (P)

3-BUTYN-1-OL (β-Ethynyl Ethanol)

Farchan Research Labs (P)

3-BUTYN-2-OL (Methyl Ethynyl Carbinol)

Farchan Research Labs (P)

n-BUTYRALDEHYDE

►EASTMAN CHEM PRODUCTS (P)
Union Carbide Chems Co (P)

BUTYRALDOXIME

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

Ames Labs (P)
Andor Labs (P)

BUTYRIC ANHYDRIDE

►EASTMAN CHEM PRODUCTS (P)
Union Carbide Chems Co (P)

Tuscarora Chem Works (P)

BUTYROLACTONE

Aldrich Chem Co (P)
Antara Chems Div (P)

BUTYRONE see Dipropyl Ketone

N-BUTYRYL-p-AMINOPHENOL

BUTYRYL CHLORIDE (Butanoyl Chloride)

►HOOKER CHEM CORP (P)
►TRUBEK LABS (P)

C

CACAO BUTTER see Oil, Theobroma

CADMIUM ACETATE

Aero Chem Corp (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Var-Lac-Oid Chem Co (P)

Shepherd Chem Co (P)

CADMIUM BROMIDE

►J T BAKER CHEM CO (P)
Dow Chem Co (P)
Interstate Chem Corp
Var-Lac-Oid Chem Co (P)

CADMIUM CARBONATE

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Var-Lac-Oid Chem Co (P)

McGean Chem Co (P)
Shepherd Chem Co (P)

CADMIUM CHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
W A Cleary Corp (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

McGean Chem Co (P)

CADMIUM 2-ETHYLHEXOATE (Cadmium Octoate)

Argus Chem Corp (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Ferro Chem Div (P)
Fred'k A Stresen-Reuter Inc (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

CADMIUM FLUOBORATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)

CADMIUM FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Interstate Chem Corp
Var-Lac-Oid Chem Co (P)

CADMIUM IODIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
City Chem Corp
Gallard-Schlesinger Chem Mfg Corp (P)
Mallinckrodt Chem Works (P)
Var-Lac-Oid Chem Co (P)

Andor Labs (P)

CADMIUM, METAL

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Belmont Smelting & Refining Works (P)
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
Kraft Chem Co
Mallinckrodt Chem Works (P)
St Joseph Lead Co (P)
Var-Lac-Oid Chem Co (P)

American Smelting & Refining Co (P)
Bram Metallurgical-Chem Co (P)
Bunker Hill Co (P)
Division Lead Co (P)
Eagle-Picher Co (P)
New Jersey Zinc Co (P)

CADMIUM NAPHTHENATE

►WITCO CHEM CO (P)

Ferro Chem Div (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

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CADMIUM NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
W A Cleary Corp (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Indussa Corp
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Samincorp
Var-Lac-Old Chem Co (P)

McGean Chem Co (P) Shepherd Chem Co (P)

CADMIUM ORANGES

►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Var-Lac-Old Chem Co (P)

Imperial Color Chem & Paper Dept (P) B F Drakenfeld & Co (P)

CADMIUM OXIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
Indussa Corp
Industrial Chem & Dye Co
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)

McGean Chem Co (P)

CADMIUM POTASSIUM CHLORIDE

City Chem Corp (P)

CADMIUM POTASSIUM IODIDE

Andor Labs (P)

CADMIUM PROPIONATE

Araphaoe Chems (P)
Millmaster Chem Corp

Pilot Chems, Inc (P) Shepherd Chem Co (P)
Premium Chems (P)

CADMIUM REDS

General Color Co (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)

B F Drakenfeld & Co (P) Imperial Color Chem & Paper Dept (P)
Shepherd Chem Co (P)

CADMIUM RICINOLEATE

Argus Chem Corp (P)

Ferro Chem Div (P) Premium Chems (P)

CADMIUM SALICYLATE

City Chem Corp (P)

CADMIUM SELENATE

City Chem Corp (P)
Var-Lac-Old Chem Co (P)

CADMIUM SELENIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Filo Color & Chem Corp
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
Merck Electronic Chem Div (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P) Imperial Color Chem & Paper Dept (P)
Shepherd Chem Co (P)

CADMIUM STEARATE

Argus Chem Corp (P)
►HARSHAW CHEM CO (P)
Millmaster Chem Corp
Prior Chem Corp
►WITCO CHEM CO (P)

Mathe Chem Co (P) Shepherd Chem Co (P)
Premium Chems (P)

CADMIUM SULFATE

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

American Smelting & Refining Co (P) McGean Chem Co (P)
Shepherd Chem Co (P)

CADMIUM SULFIDE (Cadmium Yellow, Jaune Brilliant, Greenockite, Aurora Yellow, Orange Cadmium, Orient Yellow)—see also Cadmium Yellow

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
General Color Co (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Eagle-Picher Co (P) Imperial Color Chem & Paper Dept (P)
Shepherd Chem Co (P)

CADMIUM SULFOSELENIDES—see also Cadmium Reds

General Color Co (P)
►HARSHAW CHEM CO (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Var-Lac-Old Chem Co (P)

Imperial Color Chem & Paper Dept (P) Shepherd Chem Co (P)

CADMIUM TARTRATE

City Chem Corp (P)

CADMIUM TELLURIDE

City Chem Corp (P)
►HARSHAW CHEM CO (P)
Merck Electronic Chem Div (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Alloys Unlimited Chems Inc (P) Eagle-Picher Co (P)

CADMIUM TUNGSTATE (Cadmium Wolframate)

Shwayder Chem Metallurgy Corp (P)
Var-Lac-Old Chem Co (P)

North Metal & Chem Co (P)

CADMIUM YELLOWS

Filo Color & Chem Corp
General Color Co (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Var-Lac-Old Chem Co (P)

California Ink Co (P) Imperial Color Chem & Paper Dept (P)
Shepherd Chem Co (P)

CAESIUM see Cesium, Metal

J.T.Baker CHEMICAL

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Reagent and Purified
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Reagent Crystal
Purified Anhydrous
NICKEL NITRATE
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and
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CAFFEINE (1,3,7-Trimethylxanthine, Theine)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Henley & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Riches-Nelson, Inc
George Uhe Co
Maywood Chem Works, Div Stepan Chem Co (P)
Roselle Labs (P)

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Mallinckrodt Chem Works (P)
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Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV
Polychemical Labs (P)

CAKE ALUM see Aluminum Sulfate

CALAMINE (PHARMACEUTICAL)
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

CALCIC LIVER OF SULFUR see Lime, Sulfurated

CALCINED BARYTA see Barium Oxide

CALCINED MAGNESIA see Magnesium Oxide

CALCITE see Calcium Carbonate

CALCIUM ACETATE (Lime Acetate, Acetate of Lime, Brown Acetate, Vinegar Salts, Gray Acetate, Lime Pyrolignite)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Flo Color & Chem Corp (P)
Fisher Scientific Co (P)
►R W GREEFF & CO
Mallinckrodt Chem Works (P)
Millmaster Chem Corp (P)
Prior Chem Corp
Barium & Chems (P)

CALCIUM ACETYLSALICYLATE
RSA Corp (P)

CALCIUM ACID GLUTAMATE
B L Lemke & Co (P)

CALCIUM ALGINATE
Edward Mendell Co (P)

CALCIUM p-AMINOSALICYLATE, TRIHYDRATE
Industrial Chem & Dye Co
►MILES CHEM CO (P)
Roselle Labs (P)

CALCIUM ARSENATE (Tricalcium o-Arsenate)
Chempar Chem Co (P)
Indussa Corp
Pennsalt Chems Corp (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Chipman Chem Co (P)
Ortho Div (P)
Los Angeles Chem Co (P)

CALCIUM ARSENITE
Indussa Corp
Chipman Chem Co (P)
Los Angeles Chem Co (P)

CALCIUM BENZOATE
Heyden Newport Chem Corp (P)
Premium Chems (P)

CALCIUM BENZYLPHTHALATE
Fine Organics (P)

CALCIUM BIPHOSPHATE see Calcium Phosphate, Monobasic

CALCIUM BORATE
Fine Organics (P)
U S Borax (P)

CALCIUM BORIDE
Var-Lac-Old Chem Co (P)
Union Carbide Metals (P)

CALCIUM BROMATE
City Chem Corp (P)

CALCIUM BROMIDE
Dow Chem C (P)
Mallinckrodt Chem Works (P)

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Monsanto

►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV

CALCIUM CACODYLATE

Edcan Labs (P)

CALCIUM CAMPHORSULFONATE

Fine Organics (P)
Polychemical Labs (P)

CALCIUM CARBIDE (Acetylenogen, Acetylith)

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Mercury Chem Corp
Pacific Carbide & Alloys Co (P)
Linde Co (P)
National Carbide Co (P)
Pacific Carbide & Alloys Co (P)
Shawinigan Products Corp (P)
Union Carbide Olefins Co (P)

CALCIUM CARBONATE (Whiting, Precipitated Chalk, Spanish Whiting, Calcite, Aragonite, Limestone, English White, Marble Dust)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Charles B Chrystal Co
Diamond Alkali Co (P)
Georgia Marble Co (P)
►HARSHAW CHEM CO
Harwick Standard Chem Co
Howe & French
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Miller-Stephenson Chem Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Mississippi Lime Co (P)
(Continued)

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►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
L A Salomon & Bro
Smith Chem & Color Co
Tamms Industries
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Austin White Lime Co (P)
Calcium Carbonate Co (P)
Harry T Campbell Sons' Corp (P)
Columbia Quarry Co (P)
Commercial Minerals Co (P)
G & W H Corson, Inc (P)
Cutler-Magner Co (P)
General Magnesite & Magnesia Div (P)
Limestone Products Co (P)
H E Millard Lime & Stone Co (P)
Marblehead Lime Co (P)
National Gypsum Co (P)
Ohio Lime Co (P)
Servtex Materials Co (P)
Smith Lime Flour Co (P)
Sylvania Elec Products (P)
Thompson, Weinman & Co (P)
United States Gypsum Co (P)
Warner Co (P)
Williams Lime Mfg Co (P)

CALCIUM CASEINATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Sheffield Chem Div (P)
Vitamins, Inc

Miller Products Co (P)
National Casein Co (P)

CALCIUM CHLORIDE

S L Abbot Co
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co
►J T BAKER CHEM CO (P)
Henry Bower Chem Mfg Co
Chemical Mfg Co
Dow Chem Co (P)
Faesy & Besthoff
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO
Howe & French
►JONES CHEMS, INC
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Opalco Lab
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Republic Chem Corp
Revoill Chems, Inc
Riches-Nelson, Inc
E M Sergeant Pulp & Chem Co
J U Starkweather Co
Tamms Industries
Thompson-Hayward Chem Co
Welch, Holme & Clark Co
►WYANDOTTE CHEMS CORP (P)

Eagle-Picher Co (P)

CALCIUM CHLORIDE, ANHYDROUS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►J T BAKER CHEM CO (P)
Dow Chem Co (P)
►JONES CHEMS, INC
Lotte Chem Corp
Mallinckrodt Chem Works (P)
Opalco Lab
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►WYANDOTTE CHEMS CORP (P)

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CALCIUM DIHYDROGEN PHOSPHATE see Calcium Phosphate, Monobasic

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►J T BAKER CHEM CO (P)
Chemsol, Inc
E & F King & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mississippi Lime Co (P)
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels

Cutler-Magner Co (P)
Limestone Products Co (P)
Marblehead Lime Co (P)
H E Millard Lime & Stone Co (P)
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CALCIUM HYPOCHLORITE—see also Chlorinated Lime
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Olin Mathieson Chem Corp, Industrial Chems (P)
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Pennsalt Chems Corp (P)
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Robeco Chems
E M Sergeant Pulp & Chem Co
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Valchem

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Interstate Chem Corp
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RSA Corp (P)

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WYANDOTTE CHEMICALS
MICHIGAN ALKALI DIVISION
WYANDOTTE, MICHIGAN

CALCIUM IODIDE

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Gallard-Schlesinger Chem Mfg Corp (P)
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Arenol Chem Corp (P)

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Mathe Chem Co (P)
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CALCIUM LEVULINATE

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Polychemical Labs (P)
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Leffingwell Chem Co (P)
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CALCIUM OXYCHLORIDE see Calcium Hypochlorite

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M W Parsons-Plymouth (P)
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J H DeLamar & Son
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►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
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CALCIUM PHOSPHATE, PRECIPITATED see Calcium Phosphate, Tribasic

CALCIUM PHOSPHATE, TRIBASIC (Precipitated Calcium Phosphate, Tricalcium o-Phosphate, Calcium o-Phosphate, Tricalcium Phosphate, Tricalcic Phosphate, tert.-Calcium Phosphate)

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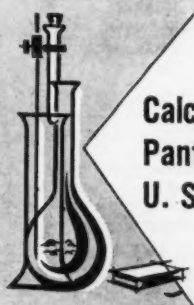
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Harwick Standard Chem Co
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Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)

Pennsylvania Refining Co (P)

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Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

CALCIUM TARTRATE

Polychemical Labs (P)
Premium Chems (P)
Tennant Chem Div (P)

CALCIUM TETRAPHOSPHATE

City Chem Corp (P)

CALCIUM THIOCYANATE

Halby Chem Co (P)

CALCIUM THIOGLYCOLATE

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Shwayder Chem Metallurgy Corp (P)
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Matheson Coleman & Bell (P)
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CALCIUM o-TUNGSTATE see Calcium Tungstate

CALCIUM UNDECYLENATE

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City Chem Corp (P)
Millmaster Chem Corp (P)

Premium Chems (P)

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City Chem Corp (P)

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CALCIUM ZIRCONATE
►TITANIUM ALLOY MFG DIV (P)
Zirconium Corp of America (P) Premium Chems (P)

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►TITANIUM ALLOY MFG DIV (P)

CALOMEL see Mercury Chloride (ous)

CAMBOGIA see Gum, Gamboge

CAMPHANOL see Borneol

CAMPHENE
Hercules Powder Co (P)

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►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYQ CHEM DIV (P)
Prentiss Drug & Chem Co (P)

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CANADOL see Petroleum Benzine

CANARIUM see Gum, Elemi

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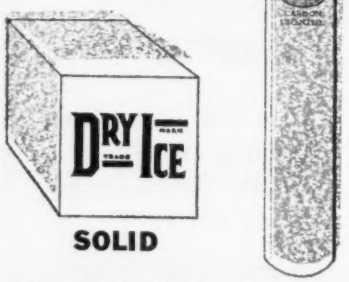
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Ref: 1. Waldman, R. K., & Borman, E. K., AMA Archives of Industrial Health, 19, 431, (1959).
2. Wroblewski, F., & LaDue, J. S., Annals of Internal Medicine, 43, 345, (1955).

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Engelhard Industries (P)
Filtrol Corp (P)
Foote Mineral Co (P)
Heyden Newport Chem Corp (P)
Houdry Process Corp (P)
Marblette Corp (P)
McKenzie Chem Works (P)
Norton Chem Works (P)
J Samuel & Co (P)
Thompson Chem Co (P)
Troy Chem Co (P)
US Peroxygen Corp (P)
Warwick Chem Div (P)

CATALYSTS, POLYOLEFIN

►DAVISON CHEM DIV (P)
►ETHYL CORP (P)
Hercules Powder Co (P)
Lucidol Div, Wallace & Tiernan Inc (P)
►METAL & THERMIT CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►STAUFFER CHEM CO (P)

Anderson Chem Div (P)
Cadet Chem Corp (P)
Filtrol Corp (P)
Houdry Process Corp (P)
Norton Chem Works (P)
Thompson Chem Co (P)

CATALYSTS, REFORMING

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►DAVISON CHEM DIV (P)
Girdler Catalysts (P)
►HARSHAW CHEM CO (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►STAUFFER CHEM CO (P)

Catalysts & Chems Inc (P)
Engelhard Industries (P)
Filtrol Corp (P)
Houdry Process Corp (P)
J A Samuel & Co (P)

CATECHOL see Pyrocatechol

CATECHU, BLACK see Cutch

CAUSTIC ANTIMONY see Antimony Trichloride

CAUSTIC BARYTA see Barium Hydroxide

CAUSTIC POTASH see Potash, Caustic

CAUSTIC SODA see Soda, Caustic

CEDROL (Sesquiterpene Alcohol)

Aldrich Chem Co (P)
Fritzsche Bros
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)

Schimmel & Co (P)

CELESTITE see Strontium Sulfate

CELLON see Acetylene Tetrachloride

CELLOSOLVE see Ether, Ethylene Glycol Monoethyl

CELLULOSE ACETATE (Acetyl Cellulose)

►CELANESE POLYMER CO (P)
►DU PONT, EXPLOSIVES DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
E & F King & Co
►MONSANTO CHEM CO (P)

CELLULOSE ACETATE BUTYRATE

►EASTMAN CHEM PRODUCTS (P)

CELLULOSE ACETATE LACQUER (Plastic Coating Lacquer)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
American Products Mfg Co (P)
Chemical Products Corp (RI) (P)
Krylon, Inc (P)
Lacquer Specialties (P)
Monroe Sander Corp (P)
Pierce & Stevens Chem (P)
Pyroxylin Products (P)
R & A Leather Finish Co (P)
Raffi & Swanson (P)
United Lacquer Mfg Corp (P)

CELLULOSE, CHEMICAL COTTON

Hercules Powder Co (P)

Buckeye Cellulose Corp (P)

CELLULOSE NITRATE see Nitrocellulose

CELLULOSE, OXIDIZED

►EASTMAN CHEM PRODUCTS (P)

CELLULOSE PROPRIONATE

►CELANESE POLYMER CO (P)
►EASTMAN CHEM PRODUCTS (P)

CELLULOSE TRIACETATE

►EASTMAN CHEM PRODUCTS (P)

CELLULOSE, WOODPULP

►BROWN CO (P)

Buckeye Cellulose Corp (P)
Composition Materials Co (P)
International Paper Co (P)
Rayonier Inc (P)
Puget Sound Pulp & Timber Co (P)

CEMENTS, ACIDPROOF

Hostachem Corp
►JOHNS-MANVILLE (P)
Pennsalt Chems Corp (P)

Adhesive Products Corp (P)
Atlas Mineral Products Co (P)
B B Chem Co (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Haveg Industries (P)
Imperial Adhesives (P)
Lox Mfg Co (P)
National Carbon Co (P)
Quigley Co (P)
Sauereisen Cements Co (P)

CEMENTS, ASPHALT

Philip Carey Mfg Co (P)
►JOHNS-MANVILLE (P)
►MONSANTO CHEM CO (P)
►WITCO CHEM CO (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

Adhesive Products Corp (P)
Amchem Products (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Eagle-Picher Co (P)
L W Ferdinand & Co (P)
Midland Adhesive & Chem Corp (P)
Sauereisen Cements Co (P)

CEMENTS, ELECTRICAL-RESISTING

►JOHNS-MANVILLE (P)
Miller-Stephenson Chem Co (P)

Adhesive Products Corp (P)
Axel Plastic Research Labs (P)
B B Chem Co (P)
Chemical Coatings & Engrg Co (P)
L W Ferdinand & Co (P)
Imperial Adhesives (P)
Interchem Corp, Finishes Div (P)
Lox Mfg Co (P)
Midland Adhesive & Chem Corp (P)
Sauereisen Cements Co (P)
Varniton Co (P)

CEMENTS, OILPROOF

►JOHNS-MANVILLE (P)

Adhesives Products Corp (P)
Amchem Products (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Borden Chem Co (P)
Geo Callahan & Co (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Imperial Adhesives (P)
Lox Mfg Co (P)
Midland Adhesive & Chem Corp (P)
Pyroxylin Products (P)
Sauereisen Cements Co (P)
Varniton Co (P)

CEMENTS, REFRACTORY

Philip Carey Mfg Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►JOHNS-MANVILLE (P)
National Lead Co (P)

Aluminum Co of America (P)
Axel Plastics Research Labs (P)
Kaiser Refractories & Chems Div (P)
National Starch Products (P)
Quigley Co (P)
Sauereisen Cements Co (P)
Thomas Alabama Kaolin Co (P)
Universal Atlas Cement (P)
Zirconium Corp of America (P)

CEMENTS, WATERPROOF

►JOHNS-MANVILLE (P)
Miller-Stephenson Chem Co (P)

Adhesive Products Corp (P)
Amchem Products (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Borden Chem Co (P)
Chemical Coatings & Engrg Co (P)
Coplay Cement Mfg Co (P)
L W Ferdinand & Co (P)
Gill Chem Products (P)
Interchem Corp, Finishes Div (P)
Imperial Adhesives (P)
Lacquer Specialties (P)
Lox Mfg Co (P)
Midland Adhesive & Chem Corp (P)
Morningstar-Paisley, Inc (P)
Pyroxylin Products (P)
Quigley Co (P)
Sauereisen Cements Co (P)
Universal Atlas Cement (P)
Varniton Co (P)
West Chester Chem Co (P)

CEPHAELIS see Ipecac Root

CERA FLAVA see Wax, Bees

CERESIN see Wax, Ceresin

CERIN see Wax, Ceresin

CERIUM AMMONIUM NITRATE (ic)

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
G Frederick Smith Chem Co (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

CERIUM AMMONIUM NITRATE (ous)

Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Universal Atlas Cement Co (P)

CERIUM AMMONIUM SULFATE (ic)

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
►VITRO CHEM CO (P)

CERIUM BROMIDE (ous)

City Chem Corp (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)
Research Chems (P)

CERIUM CARBONATE (ous)

►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

CERIUM CHLORIDE (ic)

Alvares-Terner Corp
►DAVISON CHEM DIV (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

CERIUM CHLORIDE (ous)

►AMERICAN POTASH & CHEM CORP (P)
Fisher Scientific Co (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Bram Metallurgical-Chem Co (P)
Research Chems (P)

CERIUM DIOXIDE see Cerium Oxide

CERIUM HYDRATE see Cerium Hydroxide

CERIUM HYDROXIDE (ic)

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Whittaker, Clark & Daniels

CERIUM HYDROXIDE (ous)

Alvares-Terner Corp
►DAVISON CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

CERIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
Belmont Smelting & Refining Works (P)
►DAVISON CHEM DIV
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Pfaltz & Bauer, Inc
Vac-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Alloy Metal Products (P)
Bram Metallurgical-Chem Co (P)
Premium Chems (P)
Research Chems (P)
Ronson Metals Corp (P)

CERIUM NAPHTHENATE

►DAVISON CHEM DIV (P)
Nuodex Products Co (P)
►VITRO CHEM CO (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

CERIUM NITRATE (ous)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
Pfaltz & Bauer, Inc
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

CERIUM OXALATE (ous)

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
►S B PENICK & CO, NYQ CHEM DIV (P)
Pfaltz & Bauer, Inc
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Premium Chems (P)
Research Chems (P)

CERIUM OXIDE (ic)

Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
►HARSHAW CHEM CO
►LINDSAY CHEM DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
Pfaltz & Bauer, Inc
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Whittaker, Clark & Daniels
Research Chems (P)

CERIUM PERCHLORATE (ic)

►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)

CERIUM PERCHLORATE (ous)

►LINDSAY CHEM DIV (P)

CERIUM POTASSIUM NITRATE (ic)

►LINDSAY CHEM DIV (P)
►VITRO CHEM CORP (P)

CERIUM STANNATE

Premium Chems (P)

High Purity Metals, Salts, Compounds, Alloys, Borides, Carbides, Carbonyls, Nitrides, Silicides of

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BARIUM
BERYLLIUM
BISMUTH
BORON
CADMIUM
CERIUM
CESIUM
CHROMIUM
COBALT
COLUMBIUM
DYSPROSIUM
ERBIUM
EUROPIUM
GADOLINIUM
GALLIUM
GERMANIUM
GOLD
HAFNIUM
HOLMIUM
INDIUM
IRIDIUM
LANTHANUM
LUTETIUM
MOLYBDENUM
NEODYMIUM
NICKEL
OSMIUM
PALLADIUM
PLATINUM
PRASEODYMIUM
RHENIUM
RHODIUM
RUBIDIUM
RUTHENIUM
SAMARIUM
SCANDIUM
SELENIUM
SILICON
SILVER
STRONTIUM
TANTALUM
TELLURIUM
TERBIUM
THALLIUM
THORIUM
THULIUM
TIN
TITANIUM
TUNGSTEN
URANIUM
VANADIUM
YTTERBIUM
YTTRIUM
ZIRCONIUM

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116 BROAD ST., NEW YORK 4, N.Y.
Cable Address: VARLACOID

CESIUM
RUBIDIUM
METAL and SALTS
99% 99.7% 99.9%

CARBONATE
HYDROXIDE
FLUORIDE
CHLORIDE
NITRATE
BROMIDE
IODIDE
SULFATE
DICHROMATE
AZIDE
CYANIDE
ACETATE

PENN RARE METALS
REVERE, PA.

CERIUM SULFATE (ic)

►DAVISON CHEM DIV (P)
Fisher Scientific Co (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Oid Chem Co (P)
►VITRO CHEM CORP (P)

CERIUM SULFATE (ous)

►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Oid Chem Co (P)
►VITRO CHEM CORP (P)

CERIUM TITANATE

►TITANIUM ALLOY MFG DIV (P)
Premium Chems (P)

CERIUM ZIRCONATE

►TITANIUM ALLOY MFG DIV (P)
Premium Chems (P)

CERUSE see Lead Carbonate, Basic

CESIUM BROMIDE

City Chem Corp (P)
Dow Chem Co (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
Kawecki Chem Co (P)
Millmaster Chem Corp
Penn Rare Metals (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Bio-Rad Labs (P)
Bram Metallurgical-Chem Co (P)
Cooper Chem Co (P)
Isomet Corp (P)

CESIUM CARBONATE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
Kawecki Chem Co (P)
Penn Rare Metals (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Maywood Chem Works, Div Stepan Chem Co (P)

CESIUM CHLORIDE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Kawecki Chem Co (P)
Penn Rare Metals (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Bio-Rad Labs (P)
Chemical Commerce (P)
Isomet Corp (P)
Maywood Chem Works, Div Stepan Chem Co (P)

CESIUM FLUORIDE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp
Kawecki Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Isomet Corp (P)

CESIUM HYDROXIDE

City Chem Corp
Eastern Chem Corp (P)
Kawecki Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)

CESIUM IODIDE

City Chem Corp (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
Kawecki Chem Co (P)
Penn Rare Metals (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Bio-Rad Labs (P)
Cooper Chem Co (P)
Isomet Corp (P)

CESIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
Belmont Smelting & Refining Works (P)
City Chem Corp (P)
Fairmount Chem Co (P)
Kawecki Chem Co (P)
Penn Rare Metals (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Bio-Rad Labs (P)
MSA Research Corp (P)

CESIUM SULFATE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
Fairmount Chem Co (P)
Kawecki Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Oid Chem Co

Bram Metallurgical-Chem Co (P)
Chemical Commerce (P)

CETACEUM see Wax, Spermaceti

CETANE see n-Hexadecane

CETIN see Cetyl Palmitate

CETYL BROMIDE

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►HUMPHREY-WILKINSON (P)
M Michel & Co (P)
Michigan Chem Corp (P)

Hexagon Labs (P)

CETYL CHLORIDE (Hexadecyl Chloride, 1-Chlorohexadecane)

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
►HUMPHREY-WILKINSON (P)
M Michel & Co (P)

Brothers Chem Co (P)
Hexagon Labs (P)

CETYL DIMETHYL BENZYL AMMONIUM CHLORIDE

►ACETO CHEM CO (P)
Fine Organics (P)
Intex Chem Corp (P)
►ONYX CHEM CORP (P)
Treplow Chem Co (P)

American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Barlow Chem Corp (P)
Winthrop Labs (P)

CETYL DIMETHYL ETHYL AMMONIUM BROMIDE

Fine Organics (P)
Intex Chem Corp (P)

Barlow Chem Corp (P)

CETYL IODIDE

K & K Labs (P)

Andor Labs (P)
Brothers Chem Co (P)

CETYL OLEATE

Applied Science Labs (P)
Kessler Chem Co (P)

Premium Chems (P)
Werner G Smith, Inc (P)

CETYL PALMITATE

Applied Science Labs (P)
Kessler Chem Co (P)
M Michel & Co (P)

Archer-Daniels-Midland Co (P)
Premium Chems (P)
Werner G Smith, Inc (P)

CETYL PYRIDINIUM BROMIDE

►ACETO CHEM CO (P)
City Chem Corp
Fine Organics (P)
►R W GREEFF & CO
M Michel & Co (P)
►ONYX CHEM CORP (P)

Arnold, Hoffman & Co (P)
Barlow Chem Corp (P)
Brothers Chem Co (P)
Cohelfred Labs (P)
Fries Bros (P)
Hexagon Labs (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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CETYL PYRIDINIUM CHLORIDE

►ACETO CHEM CO
City Chem Corp
Fine Organics (P)
Gane's Chem Works (P)
►R W GREEFF & CO
Intex Chem Corp (P)
M Michel & Co (P)
Roberts Chems, Inc (P)

Barlow Chem Corp (P)
Brothers Chem Co (P)
Cohelfred Labs (P)
Fries Bros (P)
Hexagon Labs (P)
Hukill Chem Corp (P)

CETYL PYRIDINIUM IODIDE

Andor Labs (P)
Cohelfred Labs (P)

CETYL STEARATE

Applied Science Labs (P)
Fine Organics (P)
Kessler Chem Co (P)
M Michel & Co (P)

Premium Chems (P)
Werner G Smith, Inc (P)

CETYL TRIMETHYL AMMONIUM BROMIDE

►ACETO CHEM CO (P)
Aero Chem Corp (P)
Fine Organics (P)
Intex Chem Corp (P)
M Michel & Co
Sole Chem Corp

Andor Labs (P)
Arnold, Hoffman & Co (P)
Barlow Chem Corp (P)

CHALCONE see Benzalacetophenone

CHALK—see also Calcium Carbonate and Whiting

H J Baker & Bro
Charles B Chrystal Co
Diamond Alkali Co (P)
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
L A Salmon & Bro
Tamms Industries
Charles A Wagner Co
Whittaker, Clark & Daniels
►WYANDOTTE CHEMS CORP (P)

Calcium Carbonate Co (P)
Smith Lime Flour Co (P)

CHALK, PRECIPITATED see Calcium Carbonate

CHANNEL BLACK see Carbon Black

CHARCOAL (Wood Charcoal, Vegetable Charcoal)

Barnebey-Cheney Co (P)
Bonewitz Chems
Cabot Corp (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Hummel Chem Co
►STAUFFER CHEM CO (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)

Collier Carbon & Chem Corp (P)
Hathaway Allied Products (P)
Crossett Chem Co (P)
Louisiana Pine Products Co (P)

CHARCOAL, ACTIVATED

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Atlas Chem Industries, Chems Div (P)
Barnebey-Cheney Co (P)
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Pfanstiehl Labs (P)
L A Salomon & Bro

American Norit Co (P)
Collier Carbon & Chem Corp (P)
Electro Chem Co (P)
National Carbon Co (P)

CHELATING AGENTS

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Atlas Chem Industries, Chems Div (P)
Bonewitz Chems (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Dow Chem Co (P)
Faesy & Besthoff
Fallek Chem Corp
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
►R W GREEFF & CO
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
►MILES CHEM CO (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Pfanstiehl Labs (P)
Process Chems Co (P)
Rumford Chem Works (P)
Valchem

Advance Solvents & Chem Div (P)
Bio-Rad Labs (P)
Burkart-Schier Chem Co (P)
Carlisle Chem Works (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Crown Zellerbach Corp (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Geigy Industrial Chems (P)
Hampshire Chem Corp (P)
Industrial Materials Co (P)
Legrand Chem Corp (P)
Marathon Div (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Oakite Products (P)
Pfister Chem Works (P)
Puget Sound Pulp & Timber Co (P)
Rayonier Inc (P)
Scher Bros (P)
A E Staley Mfg Co (P)
Tanatex Chem Corp (P)
Tretolite Co Div (P)
Union Starch & Refining Co (P)
W Va Pulp & Paper, Industrial Chem Sales Div (P)
Wica Chems (P)

CHEMICALS see specific type, e.g., Electronic Chemicals, Petrochemicals, Rubber Compounding Materials, Textile Specialties, etc

CHEMICALS, INDUSTRIAL—see also specific chemicals under Acids, Alkalis, Alcohols, Solvents, etc

►ALLIED CHEM CORP, NATIONAL CHEM DIV (P)
►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
Ameco Chems Corp (P)
Armour Industrial Chem Co (P)

(Continued)

(P) Company classifies itself as producer
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SLA
S.L.ABBOT CO.
DISTRIBUTING CHEMICALS TO THE FOLLOWING INDUSTRIES:

Adhesive
Cleaning Compound
Paper
Coatings
Steel Products
Ink
Insecticide
Petroleum
Food
Chemical
Cosmetic
Phonograph Record
Self Rising Flour

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4255 DISTRICT BLVD. LOS ANGELES LUDLOW 9-6211

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PHARMACEUTICAL CHEMICALS
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SHEETINGS
LACQUER RAW MATERIALS
SOLVENTS
CELLULOSE DERIVATIVES
FERROSILICON ATOMIZED
SYNTHETIC WAXES
PERLON BRISTLES, FIBERS & MONOFILAMENTS
PHOSPHOROUS COMPOUNDS
PHOTOGRAPHIC CHEMICALS
HOSTACHEM CORPORATION
Mountainside, New Jersey
Chicago • North Hollywood

HOWE & FRENCH

Established 1834 Incorporated 1904

H·F·B TRADE MARK

Industrial Chemicals

Alcohols & Solvents

White Mineral Oils & Petrolatum USP — Tech

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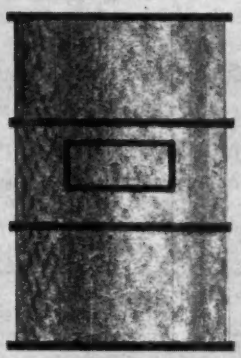
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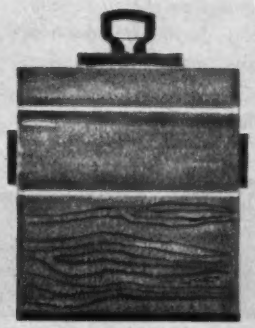




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►STAUFFER CHEM CO (P)
Prentiss Drug & Chem Co (P) Frontier Chem Co (P)

1-CHLOROHEXADECANE see Cetyl Chloride

CHLOROHYDRIN see 3-Chloro-1,2-Propanediol

CHLOROIODO-OXYQUINOLINE see Iodochlorohydroxyquinoline

CHLOROMALEIC ANHYDRIDE

►ACETO CHEM CO (P)
Aldrich Chem Co (P)
Faesy & Besthoff
Roberts Chems, Inc (P)

o-CHLOROMERCURIPHENOL see o-Hydroxy Phenyl Mercuric Chloride

CHLOROMETHANE see Methyl Chloride

4-CHLORO-3-METHYLPHENOL

Aldrich Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
►KOPPERS CO, TAR PRODUCTS DIV (P)
Ottawa Chem Co (P)

6-CHLORO-3-METHYLPHENOL

►KOPPERS CO, TAR PRODUCTS DIV (P)

1-CHLORONAPHTHALENE

►ACETO CHEM CO
Eastern Chem Corp (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

o-CHLORO-p-NITROANILINE (2-Chloro-4-Nitroaniline)

►ACETO CHEM CO
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Standard Ultramarine & Color Co (P)

p-CHLORO-o-NITROANILINE (4-Chloro-2-Nitroaniline)

►ACETO CHEM CO
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Verona-Pharma Chem Corp (P)

CHLORONITROBENZENE see Nitrochlorobenzene

o-CHLORO-p-NITROPHENOL

►MONSANTO CHEM CO (P)

p-CHLORO-o-NITROPHENOL

Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Maumee Chem Co (P)

1-CHLORO-1-NITROPROPANE

►COMMERCIAL SOLVENTS CORP (P)

1-CHLOROPENTANE see n-Amyl Chloride

o-CHLOROPHENOL

Dow Chem Co (P)
►MONSANTO CHEM CO (P)

p-CHLOROPHENOL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►MONSANTO CHEM CO (P)

CHLOROPHENOL BLUE (Tetrachlorophenolsulfonphthalein)

Eastern Chem Corp (P)
Hartman-Leddon Co (P)

CHLOROPHENOL RED (Dichlorophenolsulfonphthalein)

Eastern Chem Corp (P)
Hartman-Leddon Co (P) LaMotte Chem Products Co (P)

3-CHLOROPHENOTHIAZINE

Aldrich Chem Co (P)
RSA Corp (P)

4-CHLORO-o-PHENYLENEDIAMINE

Fairmount Chem Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

p-CHLOROPHENYL ISOCYANATE
Eastern Chem Corp (P)

2-CHLORO-4-PHENYLPHENOL
Dow Chem Co (P)

CHLOROPHTHALIC ANHYDRIDE
►MONSANTO CHEM CO (P)

CHLOROPHYLL (Leaf Green)
►ACETO CHEM CO
J H DeLamar & Son
Fritzsche Bros
►R W GREEFF & CO

CHLOROPICRIN (Chlorpicrin, Nitrochloroform, Nitrochloromethane, Trichloronitromethane)
►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Thompson-Hayward Chem Co

3-CHLORO-1,2-PROPANEDIOL (3-Chloropropylene Glycol; Chlorohydrin)
Atlas Chem Industries, Chems Div (P)
►EVANS CHEMETICS (P)
Faesy & Besthoff
►R W GREEFF & CO
RSA Corp (P)
Roberts Chems, Inc (P)
Fries Bros (P)
Ott Chem Co (P)
Tennant Chem Div (P)

1-CHLORO-2-PROPANOL see Propylene Chlorohydrin

β-CHLOROPROPIONITRILE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►MONSANTO CHEM CO (P)
Magnuson Products Corp (P)
Kaplop Labs (P)

3-CHLOROPROPYL ACETATE
Kaplop Labs (P)

α-CHLOROPROPYLENE see Allyl Chloride

3-CHLOROPROPYLENE GLYCOL see 3-Chloro-1,2-Propanediol

CHLOROPROPYLENE OXIDE see Epichlorohydrin

6-CHLOROPURINE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
RSA Corp (P)
Chemicals Procurement Labs (P)
Edcan Labs (P)
Krishell Labs (P)

2-CHLOROPYRIDINE
Fairmount Chem Co (P)
Hexagon Labs (P)
Nepera Chem Co (P)

2-CHLOROQUINOLINE
Aldrich Chem Co (P)
RSA Corp (P)
Electro Organic Corp (P)

4-CHLORORESORCINOL
Aldrich Chem Co (P)
Fairmount Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

CHLOROSILANES
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)
Peninsular ChemResearch (P)

α-CHLOROSTYRENE
Borden Chem Co (P)

o-CHLOROSTYRENE
Borden Chem Co (P)

p-CHLOROSTYRENE
Borden Chem Co (P)

N-CHLOROSUCCINIMIDE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Millmaster Chem Corp

2-CHLOROTHIOPHENE
Fisher Chem Co
RSA Corp (P)
Chemicals Procurement Labs (P)
Gamma Chem Corp (P)
Kaplop Labs (P)

p-CHLOROTHIOPHENOL
►ACETO CHEM CO
Aldrich Chem Co (P)
Eastern Chem Corp (P)
►EVANS CHEMETICS (P)

CHLOROTHYMOL
►S B PENICK & CO, NYQ CHEM DIV (P)

α-CHLOROTOLUENE see Benzyl Chloride

o-CHLOROTOLUENE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Heyden Newport Chem Corp (P)

p-CHLOROTOLUENE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Heyden Newport Chem Corp (P)

CHLOROTOLUENES, MIXED
►BENZOL PRODUCTS CO (P)
►HOOKER CHEM CORP (P)

5-CHLORO-o-TOLUIDINE
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

CHLOROTRIFLUOROETHYLENE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Pennsalt Chems Corp (P)
Peninsular ChemResearch (P)

CHLOROTRIFLUOROMETHANE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Pennsalt Chems Corp (P)

p-CHLORO-m-XYLENOL
Aldrich Chem Co (P)
Ottawa Chem Co (P)
Whittaker, Clark & Daniels

CHLOROMETHYLBENZENE see Chloromethylphenol

CHLORYLENE see Trichloroethylene

CHOLEPYRRHIN see Bilirubin

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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700 N. Wheeling St.
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CHOLESTROL

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Croda, Inc (P)
►R W GREEFF & CO
Henley & Co
Pfaltz & Bauer, Inc
Pfanstiehl Labs
Vitamins, Inc (P)

Armour Pharmacutical Co (P)
Riverside Chem Co (P)
Robinson Wagner Co (P)
Wilson Labs (P)

CHOLINE BICARBONATE

►COMMERCIAL SOLVENTS CORP (P)
Hoffman Labs (P)

CHOLINE BITARTRATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Hoffman Labs (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYC CHEM DIV (P)
RSA Corp (P)
George Uhe Co

American Cyanamid Co Fine Chems Dept (P)
Carnegies Fine Chems (P)
Fleming Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

CHOLINE BROMIDE

Hoffman Labs (P)
RSA Corp (P)

Roselle Labs (P)

CHOLINE CHLORIDE

►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
►R W GREEFF & CO
Hoffman Labs (P)
►McKESSON & ROBBINS, CHEM DEPT
►S B PENICK & CO, NYC CHEM DIV (P)
Riches-Nelson, Inc
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Thompson-Hayward Chem Co (P)
George Uhe Co
Vitamins, Inc

Carnegies Fine Chems (P)
E F Drew & Co (P)
Polychemical Labs (P)
Roselle Labs (P)

CHOLINE COMPOUND (Sincaline, Bilineurine, Amanitine, Gossypine, Vidine, Bursine, Luridine, Fagine)

►COMMERCIAL SOLVENTS CORP (P)
J H DeLamar & Son
Hoffman Labs (P)

Roselle Labs (P)

CHOLINE DIHYDROGEN CITRATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Hoffman Labs (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYC CHEM DIV (P)
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Carnegies Fine Chems (P)
Fleming Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

CHOLINE GLUCONATE

Hoffman Labs (P)
RSA Corp (P)

Roselle Labs (P)

CHONDRUS see Irish Moss

CHROME ALUM see Alum, Potash Chrome

CHROME GREENS

Filo Color & Chem Corp
►HARSHAW CHEM CO
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
George Uhe Co

American Cyanamid Co, Pigments Div (P)
California Ink Co (P)
Imperial Color Chem & Paper Dept (P)
McGean Chem Co (P)
Minnesota Mining & Mfg Co. Chem Div (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

CHROME IRON ORE see Chromite

CHROME ORANGES

►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)

American Cyanamid Co, Pigments Div (P)
California Ink Co (P)
Keystone Color Works (P)
Imperial Color Chem & Paper Dept (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

CHROME TANNING

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Diamond Alkali Co (P)
E & F King & Co

Fiber Chem Corp (P)
Arthur C Trask Co (P)

CHROME YELLOWS—see also Lead Chromate

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp
Harwick Standard Chem Co
Hilton-Davis Chem Co Div
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Smith Chem & Color Co
Tar Residuals

American Cyanamid Co, Pigments Div (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Fred'k H Levey Co (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

CHROMIC ANHYDRIDE see Acid, Chromic

CHROMITE (Chrome, Chrome Ore, Ferrochromite, Chrome Iron Stone)

►HARSHAW CHEM CO
International Selling Corp
E J Lavino & Co (P)

Kaiser Refractories & Chems Div (P)
Foote Mineral Co (P)

CHROMIUM ACETATE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Filo Color & Chem Corp (P)
Mallinckrodt Chem Works (P)
Valchem (P)

Glover M Birk, Mfg Chemist (P)
Fiber Chem Corp (P)
Jacques Wolf & Co (P)

CHROMIUM ACETYLACETONATE

►ACETO CHEM CO (P)
City Chem Corp

MacKenzie Chem Works (P)
Fiber Chem Corp (P)

CHROMIUM AMMONIUM SULFATE see Alum, Ammonium Chrome

CHROMIUM BROMIDE

City Chem Corp

CHROMIUM CHLORIDE (ic) (Chromium Sesquichloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►J T BAKER CHEM CO (P)
City Chem Corp
Diamond Alkali Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Pfaltz & Bauer, Inc
Var-Lac-Oid Chem Co (P)

Glover M Birk, Mfg Chemist (P)
Fiber Chem Corp (P)

CHROMIUM CHLORIDE (ous)

City Chem Corp
Harshaw Chem Co (P)
Var-Lac-Oid Chem Co (P)

CHROMIUM FLUORIDE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Pfaltz & Bauer, Inc
Var-Lac-Oid Chem Co (P)

Fiber Chem Corp (P)

CHROMIUM FORMATE

Fiber Chem Corp (P)

CHROMIUM HYDROXIDE (ic)

Filo Color & Chem Corp
C K Williams & Co (P)

Imperial Color Chem & Paper Dept (P)

CHROMIUM, METAL

Belmont Smelting & Refining Works (P)
Kawecki Chem Co (P)
►METAL & THERMIT CORP (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Foote Mineral Co (P)
Reading Chems (P)
Union Carbide Metals Co (P)

CHROMIUM NAPHTHENATE

Shepherd Chem Co (P)
Troy Chem Co (P)

CHROMIUM NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)

Fiber Chem Corp (P)
McGean Chem Co (P)

CHROMIUM OLEATE

Shepherd Chem Co (P)
Troy Chem Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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CHROMIUM OXIDE (ic) (Oil Green, Cromium Sesquioxide, Green Cinnabar)

Flo Color & Chem Corp
Mineral Pigments Corp (P)
Smith Chem & Color Co
Whittaker, Clark & Daniels
C K Williams & Co (P)

California Ink Co (P)
Frank D Davis Co (P)
Imperial Color Chem & Paper Dept (P)
McGean Chem Co (P)

CHROMIUM OXYCHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

CHROMIUM PHOSPHATE

City Chem Corp (P)
Mineral Pigments Corp (P)

Imperial Color Chem & Paper Dept (P)

CHROMIUM POTASSIUM SULFATE see Alum, Potash Chrome

CHROMIUM POWDER

Belmont Smelting & Refining Works (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)

CHROMIUM SESQUICHLORIDE see Chromium Chloride (ic)

CHROMIUM SESQUIOXIDE see Chromium Oxide (ic)

CHROMIUM STEARATE

Shepherd Chem Co (P)

CHROMIUM SULFATE (ic) (Wool Mordant)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)

Glover M Birk, Mfg Chemist (P)
Fiber Chem Corp (P)

CHROMIUM TRIOXIDE see Acid, Chromic

CHROMYL CHLORIDE see Chromium Oxychloride

CHRYSAROBIN

►ACETO CHEM CO
►S B PENICK & CO (P)

CHRYSENE (1,2-Benzphenanthrene)

Chemicals Procurement Labs (P)
Edcan Labs (P)

CHRYSOTILE see Asbestos, Serpentine

CINCHONIDINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
►S B PENICK & CO, NYQ CHEM DIV (P)

CINCHONINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
►S B PENICK & CO, NYQ CHEM DIV (P)

CINCHOPHEN (Phenylcinchoninic Acid, 2-Phenylquinoline-4-Carboxylic Acid, Quinophan, Phenoquin, Argotan)

►S B PENICK & CO, NYQ CHEM DIV (P)

CINEOLE see Eucalyptol

CINNABAR, ARTIFICIAL see Mercury Sulfide, Red

CINNAMIC ACETATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)

CINNAMIC ALDEHYDE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
George Lueders & Co

Descollonges, Inc (P)
Felton Chem Co (P)
Marine Products Co (P)
Rhodia, Inc (P)

CINNAMIC BUTYRATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)

CINNAMIC FORMATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)

CINNAMIC PROPIONATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)

CINNAMOYL CHLORIDE

►BENZOL PRODUCTS CO (P)
►TRUBEK LABS (P)

CITRAL

Aldrich Chem Co (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
George Lueders & Co (P)
Descollonges, Inc (P)
Felton Chem Co (P)
Hoffmann-LaRoche (P)
R D Webb & Co (P)

CITRIC ESTERS

Kessler Chem Co (P)
Chas Pfizer & Co (P)

Felton Chem Co (P)

CITRONELLAL

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)
Rhodia, Inc (P)

CITRONELLOL

Aldrich Chem Co (P)
Dodge & Olcott (P)
►DU PONT, PIGMENTS DEPT (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)

Descollonges, Inc (P)
Rhodia, Inc (P)
Shulton Inc (P)

CITRON, YELLOW see Zinc Potassium Chromate

CIVET, NATURAL

Florasynth Labs
Fritzsche Bros
George Lueders & Co

Felton Chem Co (P)

CLAYS, ACTIVATED

►DAVISON CHEM DIV (P)
Floridin Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro

Eagle Chem Co (P)
Filtrol Corp (P)

CLAYS, BALL

►GEORGIA KAOLIN CO (P)
L A Salomon & Bro

Edgar Plastic Kaolin Co (P)
Illinois Minerals Co (P)
United Clay Mines (P)

CLAYS, BLEACHING

Floridin Co (P)
►GEORGIA KAOLIN CO (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
Tamms Industries

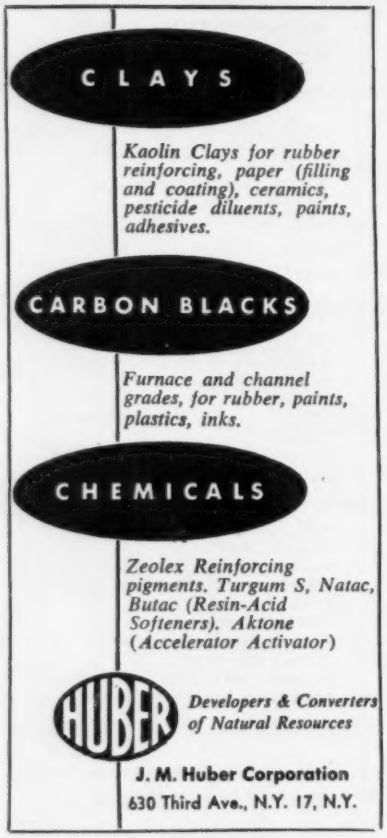
Filtrol Corp (P)
United Clay Mines (P)
Magnet Cove Barium Corp (P)

CLAYS, CALCINED

Floridin Co (P)
J M Huber Corp (P)
►GEORGIA KAOLIN CO (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)
Charles A Wagner Co
Whittaker, Clark & Daniels
►WYANDOTTE CHEMS CORP (P)

Culligan, Inc (P)
United Clay Mines (P)
Kaiser Refractories & Chems Div (P)





CLAYS, CERAMIC

►GEORGIA KAOLIN CO (P)
J M Huber Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Whittaker, Clark & Daniels

Edgar Plastic Kaolin Co (P)
Illinois Clay Products (P)
Illinois Minerals Co (P)
J R Simplot Co (P)
Thomas Alabama Kaolin (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

CLAYS, CHINA (Kaolin, Bolus Alba, Argilla, White Bole, Porcelain Clay, Cornish Clay, Pipe Clay, Porcelain Earth)

Charles B Chrystal Co
►GEORGIA KAOLIN CO (P)
►HARSHAW CHEM CO
J M Huber Corp (P)
E & F King & Co
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
Smith Chem & Color Co (P)
Tamms Industries
Charles A Wagner Co
Whittaker, Clark & Daniels

Edgar Plastic Kaolin Co (P)
J R Simplot Co (P)
Southeastern Clay Co (P)
Thompson, Weinman & Co (P)
Thomas Alabama Kaolin (P)
United Clay Mines (P)

CLAYS, COATING

►GEORGIA KAOLIN CO (P)
J M Huber Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro

Illinois Clay Products Co (P)
Kenite Corp (P)
Quigley Co (P)
J R Simplot Co (P)
Thomas Alabama Kaolin (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

CLAYS, COLLOIDAL

American Colloid Co (P)
Charles B Chrystal Co
►DAVISON CHEM DIV (P)
Floridin Co (P)
►GEORGIA KAOLIN CO (P)
►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
Tamms Industries
Charles A Wagner Co
Whittaker, Clark & Daniels

Baroid Chems (P)
Culligan, Inc (P)
Edgar Plastic Kaolin Co (P)
Magnet Cove Barium Corp (P)
Inerto Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

CLAYS, CRUCIBLE

►GEORGIA KAOLIN CO (P)

Edgar Plastic Kaolin Co (P)
Illinois Clay Products Co (P)
Illinois Minerals Co (P)
J R Simplot Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)

CLAYS, CRUDE POT

►GEORGIA KAOLIN CO (P)

Edgar Plastic Kaolin Co (P)
United Clay Mines (P)
Thomas Alabama Kaolin Co (P)

CLAYS, ENAMELERS'

►GEORGIA KAOLIN CO (P)
J M Huber Corp (P)
Whittaker, Clark & Daniels

Thomas Alabama Kaolin Co (P)
United Clay Mines (P)

CLAYS, FILLER

Chempar Chem Co
Charles B Chrystal Co
Floridin Co (P)
►GEORGIA KAOLIN CO (P)
Harwick Standard Chem Co
J M Huber Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
Smith Chem & Color Co (P)
Tamms Industries
Charles A Wagner Co

Baroid Chems (P)
Commercial Minerals Co (P)
Edgar Plastic Kaolin Co (P)
Filtrol Corp (P)
Magnet Cove Barium Corp (P)
J R Simplot Co (P)
Southeastern Clay Co (P)
Thomas Alabama Kaolin Co (P)
Thompson, Weinman & Co (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

CLAYS, FIRE

►GEORGIA KAOLIN CO (P)
►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)

Illinois Clay Products Co (P)
Kaiser Refractories & Chems Div (P)
Quigley Co (P)
J R Simplot Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)

CLAYS, FOUNDRY

American Colloid Co (P)
►GEORGIA KAOLIN CO (P)
►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
►MINERALS & CHEMS PHILIPP CORP (P)

Baroid Chems (P)
Edgar Plastic Kaolin Co (P)
Illinois Clay Products Co (P)
Illinois Minerals Co (P)
Magnet Cove Barium Corp (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

LOOK TO GK FOR THE WIDEST SELECTION OF KAOLIN CLAYS

Georgia Kaolin Company produces kaolin clays for paper, ceramics, paint, ink, plastics, rubber and other process industries in great variety. GK Kaolin clays are selectively mined hydrated aluminum silicates, water-washed and processed to carefully-controlled particle-size distributions by centrifugal-fractionation techniques. GK maintains close uniformity in each of our many grades, giving our customers control of the qualities of the end products in which these clays are used. Typical types of GK clay available include:

HYDRITE KAOLINITES are produced in eleven different grades, comprising a versatile group of fillers, extenders and pigments. They are chemically inert, light in color and virtually free of impurities.

GLOMAX Calcined Clays — the calcining of the hydrated aluminum silicates gives a number of unique properties including increased brightness, color improvement and a higher refractive index. The several grades of Glomax are recommended for use in paints, rubber, plastics and other phases of the chemical processing industries.

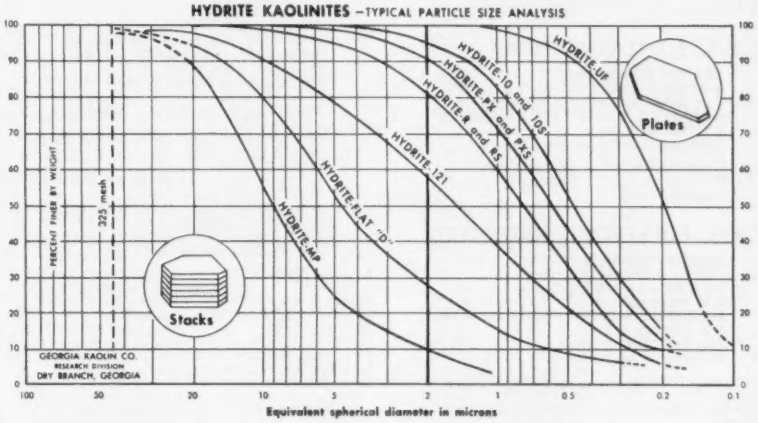
RER-HYDROPHOBIC ALUMINUM SILICATES — By special surface treating, it offers for the first time a mineral that cannot be wet with water. This provides improved characteristics in paint, plastics, rubber and other organic systems.

REA RESIN-TREATED CLAYS — these surface modified pigments impart greatly improved compatibility in organic systems, reduced viscosities in clay-resin mixtures, and permit optimum filler loadings in various resin systems. They do not affect pot life or cure time of resins.

CERAMIC CLAYS — AJAX KAOLINS, our newest ceramic clays are the purest offered to the ceramist. Use of these controlled materials is steadily increasing in whiteware, refractory and electronic products.

Other types of clays specially designed for the paper and ceramic industry are also available.

Whatever your requirements for Kaolin clays, our Sales Service Division is prepared to aid you in the improvement of your formulations.



TYPICAL PARTICLE SIZE ANALYSIS

EQUIVALENT SPHERICAL DIAMETER ANALYSIS

Typical particle-size distribution curves of current commercial Hydrite grades are shown above. Special particle-size ranges can be produced as required. The crystal shape of kaolinite changes from stacks to thin plates at approximately 2 microns. The curves to the right of the 2-micron line represent the plate content, and the left hand curves represent the stack content of the individual grades.

Georgia Kaolin Company 433 N. Broad Street, Elizabeth, N. J.

Fine clays from the world's largest kaolin plant

For quick action, call your nearest GK distributor:

BOSTON, MASSACHUSETTS
Chemicals & Pigments Corporation
Bigelow 4-3966

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CEntral 6-1426

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NEW ORLEANS, LOUISIANA
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UNiversity 6-8686

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Whittaker, Clark & Daniels, Inc.
WOrth 4-2060

NEW YORK, NEW YORK
The Dyal Company
WAlker 5-0006

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ME 8-3341

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W. Ronald Benson, Inc.
MUtual 2-1997

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AMherst 5-9606

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Montreal, Quebec
Victor 9-7381

Winnipeg, Manitoba
SPruce 4-4476

Toronto, Ontario
EMpire 3-6031

Vancouver, B. C.
MU 2-3831

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Southeastern Clay Co (P)
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United Clay Mines (P)

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Tamms Industries
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Charles A Wagner Co
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Inerto Co (P)
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Thomas Alabama Kaolin Co (P)
Thompson, Weinman & Co (P)
United Clay Mines (P)
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►MINERALS & CHEMS PHILIPP CORP (P)
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Thompson, Weinman & Co (P)
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Whittaker, Clark & Daniels

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Illinois Minerals Co (P)
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J M Huber Corp (P)
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L A Salomon & Bro
Charles A Wagner Co
Whittaker, Clark & Daniels

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Edgar Plastic Kaolin Co (P)
Magnet Cove Barium Corp (P)
Southeastern Clay Co (P)
Thomas Alabama Kaolin Co (P)
Thompson, Weinman & Co (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

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Whittaker, Clark & Daniels

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Smith Chem & Color Co
Tamms Industries
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Thompson, Weinman & Co (P)
United Clay Mines (P)
R T Vanderbilt Co (P)

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J M Huber Corp (P)
Whittaker, Clark & Daniels

Thomas Alabama Kaolin Co (P)

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Thomas Alabama Kaolin Co (P)

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►GEORGIA KAOLIN CO (P)
J M Huber Corp (P)
L A Salomon & Bro

Eastern Color & Chem Co (P)
United Clay Mines (P)
Edgar Plastic Kaolin Co (P)

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Kraft Chem Co
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L A Salomon & Bro
Whittaker, Clark & Daniels

Edgar Plastic Kaolin Co (P)
J R Simplot Co (P)

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Antara Chems Div (P)
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Cowles Chem Co (P)
Diamond Alkali Co (P)
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►FMC CORP, CHLOR-ALKALI DIV (P)
►HOOKER CHEM CORP (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
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Minnesota Mining & Mfg Co, Chem Div (P)
Monroe Sander Corp (P)
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►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
Pennsylvania Industrial Chem Co (P)
Sherwin-Williams Co (P)
Tect, Inc (P)
►WITCO CHEM CO (P)

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Applied Plastics Div (P)
Arco Co (P)
Atlas Mineral Products Co (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
California Products Corp (P)
Carboline Co (P)
Ceilcote Co (P)
Ceresit Corp (P)
Chase Chem Corp (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Flintkote Co (P)
Benjamin Foster Co (P)
H B Fuller Co (P)
Furane Plastics (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
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Inter-coastal Paint Corp (P)
Kaysing Corp (P)
Lacquer Specialties (P)
Major Chem & Latex Corp (P)
Marblette Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
Nuclear Materials & Equipment Corp (P)
Pierce & Stevens Chem (P)
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Varnilon Co (P)
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(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

Clays and Process Materials

KAOLIN

Edgar

Aluminum Silicate Pigments (ASP's)

ASP's are selected particle size, white crystals carefully processed to remove moisture, sand, mica, and water soluble salts . . . Obtain *Technical Information Bulletin No. 1001* for detailed properties . . . ASP's used in ADHESIVES, INKS, LEATHERS, PAINTS, PAPERS, PHARMACEUTICALS, PLASTICS, RUBBERS and other materials as extenders, fillers, thickeners and as agents for flatting, glossing, suspending and the control of various physical and chemical properties.

ATTAPULGITE

ATTAPULGUS

Attapulgus Clay Products

These products are naturally sorptive crystals that have been activated by various thermal treatments and produced in grades ranging from fine powders to coarse granules . . . Obtain *Technical Information Bulletin No. 1002* for detailed properties . . . Attapulgus Clay products used in ADHESIVES, AGRICULTURAL PRODUCTS, CHEMICALS, DRILLING MUDS, PAINTS, PHARMACEUTICALS, PLASTICS, PETROLEUM PROCESSING and other applications as adsorbents, conditioners, carriers and diluents and as agents for anti-caking, brightening, emulsifying, suspending, thickening and the control of various physical and chemical properties.

BAUXITE

POROCEL

Activated Bauxite Products

Activated Bauxite products are hard, durable, thermal treated materials processed from high alumina content natural bauxite ores . . . Obtain *Technical Information Bulletin No. 1004* for detailed properties . . . activated Bauxite products used primarily in petroleum and petrochemical processing as adsorbents, catalysts, catalyst carriers and desiccants and as agents for purifying, decolorizing, deodorizing and control of end-product properties.

LIMESTONE

Chemstone

Chemstone Products

These products are uniform, quality-controlled materials processed for specific end uses . . . contact CHEMSTONE CORPORATION, a subsidiary of Minerals & Chemicals Philipp Corporation, Cleveland, Ohio for details . . . Limestone products for metal producing as fluxstone, fluxing lime, open hearth and cement stone; chemical pebble and hydrated lime; in construction as secondary road stone, sized aggregates and lime; agricultural lime and limestone products.

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GULF COAST CHEMICAL CORP.
Baskins Crossing
Clearwater 584-7370

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Sycamore 4-2436

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Virginia 7-2000

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3150 Fibergias Road
Fairfax 1-2032

KENTUCKY, LOUISVILLE
WM. B. TABLER COMPANY
915 So. 7th Street
P. O. Box 1254
Juniper 3-7666

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CHEMICAL DEPT.
Maple & Leake Avenues
P. O. Box 4117
University 1-8191

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Tuxedo 9-0059

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T. C. ASHLEY & COMPANY, INC.
581 Boylston St.
Congress 2-1060

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Lorain 7-8030

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Midway 6-1339

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Central 1-0944

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SUPERIOR MATERIALS, INC.
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Beekman 3-8944

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SOUTHERN STATES CHEMICAL CO.
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CHEMICAL DEPT.
1700 West Grand Avenue
P. O. Box 1541
Central 2-1351

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CHEMICAL DEPT.
6550 East Skelly Drive
P. O. Box 4628
Riverside 3-4411

OREGON, PORTLAND 14
CORDANO CHEMICAL COMPANY
203 S.E. Alder Street
Belmont 4-1465

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Taylor 8-4500

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VAN HORN, METZ & CO., INC.
R.D. #2, Coxcomb Hill Road
Edison 5-2632

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Tulip 3-8464

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BARADA & PAGE CO. — BRANCH OF McKESSON & ROBBINS, INC.
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3306 Borich Street
P. O. Box 7794
Hamilton 1-7668

TEXAS, HOUSTON 21
BARADA & PAGE CO. — BRANCH OF McKESSON & ROBBINS, INC.
CHEMICAL DEPT.
Murphy & Kirbyville Streets
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Mission 4-5461

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1016 First Avenue South
Mutual 2-5086

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Vancouver 3
Mutual 4-5991

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DREW BROWN LIMITED
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Riverside 4-2821

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SANYN CIA MANUFACTURERA QUIMICA, S. A.
Apartado Postal 2612
20-9324

*Warehouse only. For office see Louisville, Kentucky
**Warehouse only. For office see Conshohocken, Pa.
***Local Representative. For office see Conshohocken, Pa.

MINERALS & CHEMICALS PHILIPP CORPORATION
98 ESSEX TURNPIKE, MENLO PARK, N. J.



COATINGS, CORROSION CONTROL

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co (P)
Better Finishes & Coatings (P)
Philip Carey Mfg Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Dura Commodities
Esso Standard Oil (P)
Gates Engrg Co (P)
►JOHNS-MANVILLE (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Tect, Inc (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)

Adhesive Products Corp (P)
Amchem Products(P)
American Products Mfg Co (P)
Applied Plastics Div (P)
Arco Co (P)
Atlas Mineral Products Co (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Bell-Ray Chem Corp (P)
Carboline Co (P)
Ceilcote Co (P)
Ceresit Corp (P)
Chase Chem Corp (P)
Chemical Coatings & Engrg Co (P)
Chemical Intermediates & Research Labs (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Dacar Chem Products
Dampney Co (P)
DeSoto Chem Coatings (P)
Detrex Chem Industries (P)
DuBois Co (P)
Eagle-Picher Co (P)
Flintkote Co (P)
Benjamin Foster Co (P)
Franklin Oil Corp (P)
H B Fuller Co (P)
Furane Plastics (P)
H V Hardman Co (P)
Hagan Chems & Controls (P)
Heresite & Chem Co (P)
Hexcel Products (P)
Imperial Adhesives (P)
Interchem Corp, Finishes Div (P)
Inertol Co (P)
Inter-Coastal Paint Corp (P)
Kano Labs (P)
Kaysing Corp (P)
Krylon, Inc (P)
Lacquer Specialties (P)
Major Chem & Latex Corp (P)
Marblette Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co, Chem Div
Monroe Sander Corp (P)
Moran Paint Co (P)
Morningstar-Paisley, Inc (P)
Nuclear Materials & Equipment Corp (P)
Oakite Products (P)
Pierce & Stevens Chem (P)
Pruett-Schaffer Chem Co (P)
Prufcoat Labs (P)
Pyroxylin Products (P)
Quigley Co (P)
Raffi & Swanson (P)
Reilly-Whiteman-Walton Co (P)
Reynolds Chem Products Co (P)
Rowe Products,Inc (P)
Rust-Oleum Corp (P)
Sauereisen Cements Co (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
Sumco Products (P)
United Lacquer Mfg Corp (P)
Varniton Co (P)
White & Bagley Co (P)

COATINGS, FIREPROOF

Dow Chem Co (P)
►METAL & THERMIT CORP (P)
►PHILADELPHIA QUARTZ CO (P)
Sherwin-Williams Co (P)

Adhesive Products Corp (P)
Amchem Products (P)
California Products Corp (P)
Chemical Coatings & Engrg Co (P)
DeSoto Chem Coatings (P)
Eagle-Picher Co (P)
Benjamin Foster Co (P)
Furane Plastics (P)
J Landau & Co (P)
Illinois Clay Products Co (P)
Imperial Adhesives (P)
Kaiser Refractories & Chems Div (P)
Major Chem & Latex Corp (P)
Moran Paint Co (P)
Midland Adhesive & Chem Corp (P)
Riverside Chem Co (P)
Sauereisen Cements Co (P)

COATINGS, OILPROOF

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)
►PHILADELPHIA QUARTZ CO (P)
Sherwin-Williams Co (P)
Tect, Inc (P)

Adhesive Products (P)
Amchem Products (P)
Atlas Mineral Products (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Ceresit Corp (P)
Chemical Coatings & Engrg Co (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Benjamin Foster Co (P)
H B Fuller Co (P)
Furane Plastics (P)
Flintkote Co (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Imperial Adhesives (P)
Interchem Corp, Finishes Div (P)
Kaysing Corp (P)
Major Chem & Latex Corp (P)
Marblette Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
National Starch & Chem Corp (P)
Pruett-Schaffer Chem Co (P)
Prufcoat Labs (P)
Pyroxylin Products (P)
Quigley Co (P)
Raffi & Swanson (P)
Sauereisen Cements Co (P)
Swift & Co, Adhesive Products Dept (P)
United Lacquer Mfg Corp (P)
Varniton Co (P)

COATINGS, WATERPROOF

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Oil & Supply Co (P)
Better Finishes & Coatings (P)
Creda, Inc (P)
Dow Chem Co (P)
Esso Standard Oil (P)
Gates Engrg Co (P)
►JOHNS-MANVILLE (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►METAL & THERMIT CORP (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
Pennsylvania Industrial Chem Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Sherwin-Williams Co (P)
Tect, Inc (P)
►WITCO CHEM CO (P)

Adhesive Products Corp (P)
Amchem Products (P)
American Products Mfg Co (P)
Applied Plastics Div (P)
Arco Co (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Bryant Chem Corp (P)
California Products Corp (P)
Carboline Co (P)
Ceresit Corp (P)
Chemical Coatings & Engrg Co (P)
Chemical Intermediates & Research Labs (P)
Clarkson Labs (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Dacar Chem Products Co (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Eagle-Picher Co (P)
Eastern Color & Chem Co (P)
Flintkote Co (P)
Benjamin Foster Co (P)
H B Fuller Co (P)
Furane Plastics (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Imperial Adhesives (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Kaysing Corp (P)
Krylon, Inc (P)
Major Chem & Latex Corp (P)
Marblette Corp (P)
Midland Adhesive & Chem Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Moran Paint Co (P)
National Starch & Chem Corp (P)
Pierce & Stevens Chem (P)
Pruett-Schaffer Chem Co (P)
Prufcoat Labs (P)
Pyroxylin Products (P)
Quigley Co (P)
Raffi & Swanson (P)
Riverside Chem Co (P)
Sauereisen Cements Co (P)
Schenectady Varnish Co (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
United Lacquer Mfg Corp (P)
Varniton Co (P)
G S Ziegler & Co (P)

COBALAMIN CONCENTRATE

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Vitamins, Inc

COBALT ACETATE (ous)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
Heico, Inc (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►WITCO CHEM CO (P)

Hall Chem Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

COBALT AMMONIUM SULFATE

Hall Chem Co (P)
Shepherd Chem Co (P)

COBALT BLACK see Cobalt Oxide

COBALT BLUE (Azure Blue, Cobalt Ultramarine, King's Blue, Leyden Blue, Thénard's Blue)

Harwick Standard Chem Co
►HARSHAW CHEM CO (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

American Cyanamid Co, Pigments Div (P)
Landers-Segal Color Co (P)
Shepherd Chem Co (P)

COBALT BROMIDE, ANHYDROUS

City Chem Corp (P)
Fisher Scientific Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

COBALT CARBONATE (Anhydrous Cobaltous Carbonate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
Nuodex Products Co (P)
Thompson-Hayward Chem Co
►VITRO CHEM CO (P)

Ferro Chem Div (P)
Hall Chem Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Whitmoyer Labs (P)

COBALT CARBONATE, BASIC

Hall Chem Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)

COBALT CHLORIDE, ANHYDROUS (Cobaltous Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Bonewitz Chems
►HARSHAW CHEM CO (P)

Hall Chem Co (P)
McGean Chem Co (P)

COBALT CHROMATE (Cobaltous Chromate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

Shepherd Chem Co (P)

COBALT CITRATE

City Chem Corp (P)

Premium Chems (P)
Shepherd Chem Co (P)

COBALT 2-ETHYLHEXOATE (Cobalt Octoate)

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Carlisle Chem Works (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

COBALT ETHYLENEDIAMINE DISODIUM TETRAACETATE

Shepherd Chem Co (P)

COBALT FLUORIDE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

COBALT FLUORIDE (ous)

City Chem Corp (P)
►HARSHAW CHEM CO (P)

Shepherd Chem Co (P)

COBALT HYDRATE (ic) (Cobaltic Hydroxide)

►HARSHAW CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
►WITCO CHEM CO (P)

Hall Chem Co (P)
McGean Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

COBALT HYDRATE (ous) (Cobaltous Hydroxide)

►HARSHAW CHEM CO (P)

Fred'k A Stresen-Reuter Inc (P)

COBALT IODIDE, ANHYDROUS

City Chem Corp (P)

COBALT LINOLEATE (Cobaltous Linoleate)

►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)

McGean Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)
Troy Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

COBALT, METAL

Belmont Smelting & Refining Works (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)

COBALT MOLYBDATE

City Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

Premium Chems (P)
S W Shattuck Chem Co (P)

COBALT NAPHTHENATE

►HARSHAW CHEM CO (P)
Lucidol Div, Wallace & Tiernan Inc
Miller-Stephenson Chem Co (P)
Nuodex Products Co (P)
Oronite Div (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
Leffingwell Chem Co (P)
McGean Chem Co (P)
Premium Chems (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Triangle Chem Co (P)
Troy Chem Co (P)

COBALT NITRATE (Cobaltous Nitrate)

►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp

McGean Chem Co (P)
Shepherd Chem Co (P)

COBALT OLEATE (Cobaltous Oleate)

Advance Solvents & Chem Div (P)
Carlisle Chem Works (P)
Leffingwell Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

COBALT OXALATE

City Chem Corp (P)

Premium Chems (P)
Shepherd Chem Co (P)

COBALT OXIDE (ic) (Cobalt Black)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
Var-Lac-Oid Chem Co (P)

COBALT OXIDE (ous) (Cobalt Monoxide)

City Chem Corp (P)
Var-Lac-Oid Chem Co (P)

COBALT PHOSPHATE

Bonewitz Chems
►McKESSON & ROBBINS, CHEM DEPT

Shepherd Chem Co (P)

COBALT RESINATE (Cobaltous Resinate)

►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)

J Meyer & Sons (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

COBALT SELENITE

City Chem Corp (P)
Var-Lac-Oid Chem Co (P)

COBALT SILICOFLUORIDE

City Chem Corp (P)

Shepherd Chem Co (P)

COBALT STEARATE

►HARSHAW CHEM CO (P)
Millmaster Chem Corp
Prior Chem Corp
►WITCO CHEM CO (P)

Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

COBALT SUCCINATE

Premium Chems (P)
Shepherd Chem Co (P)

COBALT SULFATE (Cobaltous Sulfate, Rose Vitriol, Bieberite)

►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Bonewitz Chems
Fisher Scientific Co (P)
Gallard-Schiesinger Chem Mfg Corp
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Nuodex Products Co (P)
Tar Residuals
Thompson-Hayward Chem Co

Ferro Chem Div (P)
Hall Chem Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

COBALT SULFATE, ANHYDROUS

City Chem Corp (P)
Fisher Scientific Co (P)

Hall Chem Co (P)
Shepherd Chem Co (P)

COBALT SULFATE, MONOHYDRATE

►HARSHAW CHEM CO (P)
Lotte Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Nuodex Products Co (P)

Ferro Chem Div (P)
Hall Chem Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)

COBALT TALLATE

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

COBALT TITANATE

►TITANIUM ALLOY MFG DIV (P)

Shepherd Chem Co (P)

COBALT TUNGSTATE (Cobaltous Tungstate, Cobalt Wolframate)

City Chem Corp
Var-Lac-Oid Chem Co (P)

California Ink Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

COBALT ULTRAMARINE see Cobalt Blue

COBALT VIOLET see Cobalt Ammonium Sulfate

COCHINEAL

H Kohnstamm & Co (P)

COCONUT BUTTER see Oil, Coconut

COCONUT CAKE see Copra Cake & Meal

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CODEINE SULFATE

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYC CHEM DIV (P)

CODOIL see Oil, Rosin

COKE, COAL

►ALLIED CHEM CORP, SEMET-SOLVAY DIV (P)
Diamond Alkali Co (P)
Tar Residuals
►TENNESSEE PRODUCTS & CHEM CORP (P)

Colorado Fuel & Iron Corp (P)
Koppers Co, Gas & Coke Div (P)
Alabama By-Products (P)
Milwaukee Solvay Coke Co (P)

COKE, PETROLEUM

Esso Standard Oil (P)
►SONNEBORN CHEM & REFINING CORP (P)
Tar Residuals

Collier Carbon & Chem Corp (P)
Socony Mobil Oil Co (P)

COLCHINE, SALICYLATED

►ABBOTT LABS (P)
European Chem Co (P)
Inland Alkaloid (P)

2,4,6-COLLIDINE (2,4,6-Trimethylpyridine)

Aldrich Chem Co (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Koppers Co, Tar Products Div (P)
Midland Tar Distillers
Reilly Tar & Chem Corp (P)
Brothers Chem Co (P)

2,4,6-COLLIDINE-N-OXIDE

Reilly Tar & Chem Corp (P)

COLLODION

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

COLLOIDS, PROTECTIVE

Meer Corp (P)
Union Carbide Chems Co (P)

Adhesive Products Corp (P)
E F Drew & Co (P)
Emkay Chem Co (P)
National Starch & Chem Corp (P)
Protean Chem Corp (P)
Swift & Co, Adhesive Products Co (P)
R T Vanderbilt Co, Specialties Dept (P)

COLLOXYLIN see Nitrocellulose

COLOGNE SPIRITS see Alcohol, Ethyl

COLONIAL SPIRITS see Methanol

COLOPHONY see Rosin, Gum

COLOR LAKES

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
California Ink Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Landers-Segal Color Co (P)
C Lever Co (P)
Max Marx Color & Chem Co (P)
New York Color & Chem Co (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLOR LAKES, COSMETIC

Ansbacher-Siegle Corp (P)
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Pylam Products Co (P)
Magruder Color Co (P)
Thomasset Colors (P)

COLORS, ARTISTS'

Ansbacher-Siegle Corp (P)
Charles B Chrystal Co
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)

American Cyanamid Co, Pigments Div (P)
Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Max Marx Color & Chem Co (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLORS, CARBON PAPER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Cabot Corp (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Patent Chems (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Tar Residuals

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

HARSHAW

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LAKES

AND

PIGMENTS

Specialists in Fast Colors

THE HARSHAW CHEMICAL CO.
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- Siennas, Umbers, Natural Red, Brown & Black Oxides
- Lamp, Carbon, Bone & Mineral Blacks, Aqueous Black Dispersions, Pulp Colors
- Zinc, Barium, Calcium, Strontium & Lead Chromates
- Phthalocyanine Colors
- Universal Tinting Vehicle
- Calcium Chromate
- Jet Milled Colors for use in dispersion-type equipment

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COSMETIC COLORS

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American Cyanamid Co, Pigments Div (P)
Brooklyn Color Works (P)
Dye Specialties (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
New York Color & Chem Co (P)
Passaic Color & Chem Co (P)
Reichhold Chems, Inc (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)

COLORS, CERAMIC

Columbian Carbon Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
►METAL & THERMIT CORP (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Pylam Products Co (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
B F Drakenfeld & Co (P)
Imperial Color Chem & Paper Dept (P)
Mason Color & Chem Works (P)
Shepherd Chem Co (P)

COLORS, CERTIFIED, FD&C

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Florasynth Labs
Fritzsche Bros
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
George Lueders & Co
►McKESSON & ROBBINS, CHEM DEPT
Pylam Products Co (P)
Thompson-Hayward Chem Co

American Cyanamid Co, Fine Chems Dept (P)
Bates Chem Co (P)
Kalamazoo Spice Extraction Co (P)
Wm J Stange Co (P)
Union Starch & Refining Co (P)
R D Webb & Co (P)

COLORS, CERTIFIED, D&C

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Florasynth Labs
Fritzsche Bros
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
George Lueders & Co
Pylam Products Co (P)

Thomasset Colors (P)

COLORS, CERTIFIED, EXT D&C

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
H Kohnstamm & Co (P)
George Lueders & Co
►McKESSON & ROBBINS, CHEM DEPT
Pylam Products Co (P)
Whittaker, Clark & Daniels

Imperial Color Chem & Paper Dept (P)

COLORS, COSMETIC see Colors, Certified

COLORS, DRUG see Colors, Certified

COLORS, DRY

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Charles B Chrystal Co
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Pylam Products Co (P)
Reveill Chems, Inc

(Continued)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

DRY COLORS,
DISPERSED COLORS
FOR
PAINTS • PLASTICS • INKS
INDUSTRIAL FINISHES

Use our Color Matching Service
IT'S FREE!

CADMIUM REDS
CHROME GREENS
CHROME YELLOWS
MOLYBDATE ORANGES
HANSA YELLOWS
STRONTIUM CHROMATE
CADMIUM RED TONERS
CADMIUM YELLOWS
IRON BLUES
PHTHALOCYANINE BLUE-GREEN
PIGMENT GREEN B
B.O.N. REDS and MAROONS
TOLUIDINE REDS

Kentucky Color
DIVISION
THE HARSHAW CHEMICAL CO.
CLEVELAND 6, OHIO

COLORS for
RUBBER and PLASTICS

• STAN-TONE® DRY COLORS
• STAN-TONE MB (Rubber Masterbatch)
• STAN-TONE PC (Pigment in Plasticizer)
• STAN-TONE PE (Polyethylene Concentrates)
• STAN-TONE PEP (Polyester Pastes)

HARWICK STANDARD CHEMICAL CO.
MAIN OFFICE • AKRON, OHIO
ALBERTVILLE, ALA. • BOSTON • CHICAGO • GREENVILLE, S.C. • PICO RIVERA, CALIF. • TRENTON

SMITHKO COLORS

FOR

- Paint, Varnish & Lacquer
- Rubber
- Terrazzo
- Cement & Concrete Products
- Paper
- Plastics
- Glass
- Floor Coverings
- Inks
- Leather Finishes
- Artist Materials, etc.

SERVING FOR FOUR DECADES WITH

- Umbers, Siennas, Ochres, Spanish & Persian Gulf Red Iron Oxides
- Red, Yellow, Black & Brown Synthetic Iron Oxides
- Carbon, Lamp, Mineral & Bone Blacks
- Chromium Oxide & Chrome Colors
- Ultramarine & Iron Blues
- Phthalocyanine Blues & Greens

SMITH CHEMICAL & COLOR COMPANY, INC.
55 John St., B'klyn 1, N. Y.
MAin 5-0567

COLORS

DRY and DISPERSED

An Extensive Line For PAINTS, RUBBER, PLASTICS, PRINTING INKS, AND OTHER INDUSTRIES USING PIGMENT COLORS

THE SHERWIN-WILLIAMS CO.

PIGMENT, COLOR AND CHEMICAL DIV.

Cleveland New York Chicago
Oakland Boston Philadelphia
Montreal, Canada

And other principal cities

COLORS, DRY (continued)

Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Tamms Industries (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
California Ink Co (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Landers-Segal Color Co (P)
C Lever Co (P)
Fred'k H Levey Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Rare Metal Products Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Sethness Products Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

COLORS, EARTH

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Charles B Chrystal Co
Harwick Standard Chem Co
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Pylam Products Co (P)
Smith Chem & Color Co (P)
Tamms Industries (P)
Charles A Wagner Co
Whittaker, Clark & Daniels
C K Williams & Co (P)

Frank D Davis Co (P)
Landers-Segal Color Co (P)

COLORS, FLUSHED

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Collway Pigments (P)
Filo Color & Chem Corp (P)
Harwick Standard Chem Co (P)
Hilton-Davis Chem Co Div (P)
Pylam Products Co (P)
Sherwin-Williams Co
Smith Chem & Color Co (P)

American Cyanamid Co, Pigments Div (P)
California Ink Co (P)
Claremont Pigment Dispersion Corp (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Landers-Segal Color Co (P)
Fred'k H Levey Co (P)
Monroe Sander Corp (P)
New York Color & Chem Co (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)

COLORS, FOOD see Colors, Certified FD&C

COLORS, GLASS

►DU PONT, ELECTROCHEMS DEPT (P)
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)
C K Williams & Co (P)

Ciba Co (P)
B F Drakenfeld & Co (P)
Shepherd Chem Co (P)
Weyerhaeuser Timber Co, Silvatek Products Div (P)

COLORS, INK

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Patent Chems (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
California Ink Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Kaysing Corp (P)
Fred'k H Levey Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Monroe Sander Corp (P)
New York Color & Chem Co (P)
Passaic Color & Chem Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLORS, LACQUER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Patent Chems (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Holland Color & Chem Co (P)
Kaysing Corp (P)
Imperial Color Chem & Paper Dept (P)
Magruder Color Co (P)
Passaic Color & Chem Co (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)
United Lacquer Mfg Corp (P)

COLORS, LINOLEUM

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Holland Color & Chem Co (P)
Landers-Segal Color Co (P)
Imperial Color Chem & Paper Dept (P)
Magruder Color Co (P)
Reichhold Chems, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLORS, MORTAR, STUCCO & CONCRETE

Charles B Chrystal Co
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Tamms Industries (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Ceresit Corp (P)
Ciba Co (P)
Frank D Davis Co (P)
Imperial Color Chem & Paper Dept (P)
Landers-Segal Color Co (P)
New York Color & Chem Co (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)

COLORS, OIL-SOLUBLE see Dyes, Oil-Soluble

COLORS, OVERGLAZE see Colors, Ceramic

COLORS, PAPER

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)

(P) Company classifies itself as producer **►See catalog advertisement (Advertisers Index)**
See company directory for addresses

Sherwin-Williams Co (P)
C K Williams & Co (P)

Atlantic Chem Corp (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
Ciba Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Landers-Segal Color Co (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)

COLORS, PERFUME see Colors, Certified

COLORS, PHOTOGRAPHIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Pylam Products Co (P)

Peerless Color Co (P)

COLORS, PLASTICS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Coliway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Patent Chems (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
Claremont Pigment Dispersion Corp (P)
Frank D Davis Co (P)
B F Drakenfeld & Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Landers-Segal Color Co (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Max Marx Color & Chem Co (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLORS, SOAP

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Coliway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Fritzsche Bros
Geigy Dyestuffs Div (P)
Hilton-Davis Chem Co Div (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Mineral Pigments Corp (P)
Pylam Products Co (P)
Sherwin-Williams Co (P)
Whittaker, Clark & Daniels (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
New York Color & Chem Co (P)
California Ink Co (P)
Imperial Color Chem & Paper Dept (P)
Standard Ultramarine & Color Co (P)

COLORS, UNDERGLAZE see Colors, Ceramic

COLORS, VARNISH

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Coliway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Patent Chems
Pylam Products Co (P)
Sherwin-Williams Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Atlantic Powdered Metals (P)
Brooklyn Color Works (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Gold Leaf & Metallic Powders (P)
Magruder Color Co (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

COLUMBIAN SPIRITS see Methanol

COLUMBITE

Var-Lac-Old Chem Co

COLUMBIUM CARBIDE

Kawecki Chem Co (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)

COLUMBIUM, METAL (Niobium)

►DU PONT, PIGMENTS DEPT (P)
Fairmount Chem Co (P)
Kawecki Chem Co (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Reading Chems (P)
Union Carbide Metals Co (P)

COLUMBIUM OXALATE

Kawecki Chem Co (P)

COLUMBIUM OXIDE

Kawecki Chem Co (P)
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

COLUMBIUM-POTASSIUM OXYFLUORIDE see Potassium-Columbium Oxyfluoride

COMPLEXING AGENTS

Antara Chems (P)
Dow Chem Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Mills, Chem Div (P)
Kraft Chem Co
Pfanstiehl Labs (P)
Rumford Chem Works (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Bio-Rad Labs (P)
Crown Zellerbach Corp (P)
Hagan Chems & Controls (P)
Hart Products (P)
Mona Industries (P)
Scher Bros (P)
A E Staley Mfg Co (P)

CONGO COPAL see Gum, Copal

CONGO RED (Sodium Diphenyl-bis-α-Naphthylamine Sulfonate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Pylam Products Co (P)

Atlantic Chem Corp (P)
Ciba Co (P)
Peerless Color Co (P)

COORDINATION COMPOUNDS see Chelating Agents and Complexing Agents

COPAIBA RESIN see Balsam, Copaiba

COPAL RESIN see Gum, Copal

COPPER ACETATE (Cupric Acetate, Green Verdigris, Crystallized Verdigris, Venus Crystals, Copper Subacetate)

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Geigy Dyestuffs Div (P)
Heico, Inc (P)
Union Carbide Chems Co (P)

McGean Chem Co (P)

COPPER ACETATE, BASIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

COPPER ACETOARSENITE (Paris Green, Cupric Acetoarsenite, Emerald Green, Imperial Green, King's Green, Moss Green)

Sherwin-Williams Co (P)

Chipman Chem Co (P)

COPPER ACETYLACETONATE

►ACETO CHEM CO (P)
City Chem Corp (P)

MacKenzie Chem Works (P)

COPPER AMINOSULFATE see Copper Sulfate, Ammoniated

COPPER AMMONIUM CHROMATE

City Chem Corp (P)

COLUMBIUM
(Niobium)

Columbium Metal
Powder
Bars
Ingots
Sheet
Foil
Wire
Porous Sintered Pellets

Columbium Carbide
Columbium Oxalate
Potassium Columbate
Potassium Columbium Fluoride

KAWECKI CHEMICAL COMPANY
INCORPORATED
220 East 42nd Street · New York 17, N. Y.

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

COPPER AMMONIUM SULFATE see Copper Sulfate, Ammoniated

COPPER ARSENATE

City Chem Corp (P)
Republic Chem Corp
Sherwin-Williams Co (P)

COPPER ARSENITE (Scheele's Green, Cupric Arsenic, Copper o-Arsenite, Swedish Green)

City Chem Corp (P)
Republic Chem Corp

COPPERAS see Iron Sulfate (ous)

COPPER BROMIDE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Mallinckrodt Chem Works (P)

COPPER BROMIDE (ous)

City Chem Corp (P)
Eastern Chem Corp (P)
Matheson Coleman & Bell (P)

COPPER CARBONATE (Cupric Carbonate, Copper Subcarbonate, Brunswick Green, Bremen Green, Mineral Green, Artificial Malachite, Copper Lasur, Mountain Green)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Foxy & Besthoff
►HARSHAW CHEM CO
J F Henry Chem Co
Howe & French
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Republic Chem Corp (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co
Joseph Turner & Co
Leffingwell Chem Co (P) Mountain Copper Co (P)

COPPER CARBONATE, BLUE see Azurite

COPPER CHLORIDE (ic) (Copper Bichloride, Copper Dichloride)

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Henry Bower Chem Mfg Co (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
J F Henry Chem Co
Howe & French
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Prior Chem Corp
Republic Chem Corp
Tennessee Corp (P)
Chem-Met Corp (P) McGean Chem Co (P)
Jordan Co (P)

COPPER CHLORIDE (ic), ANHYDROUS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Henry Bower Chem Mfg Co (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Millmaster Chem Corp (P)
Republic Chem Corp
Chem-Met Corp (P) McGean Chem Co (P)
Jordan Co (P)

COPPER CHLORIDE (ous)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Henry Bower Chem Mfg Co (P)
►HARSHAW CHEM CO (P)
J F Henry Chem Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp (P)
Prior Chem Corp
Chem-Salts, Inc (P) McGean Chem Co (P)
Jordan Co (P)

COPPER CHROMATE (Basic Cupric Chromate)

City Chem Corp (P)
Republic Chem Corp
McGean Chem Co (P) Shepherd Chem Co (P)

COPPER COBALTICYANIDE

City Chem Corp (P)
Var-Lac-Old Chem Co (P)

COPPER CYANIDE (ic)

American Firstline Corp
Globe Chem Co
►HARSHAW CHEM CO
Industrial Chem & Dye Co
►JONES CHEMS, INC
Lotte Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Republic Chem Corp
McGean Chem Co (P)

COPPER CYANIDE (ous) (Cupricin)

Chemical Mfg Co
►DU PONT, ELECTROCHEMS DEPT (P)
Kraft Chem Co
►METAL & THERMIT CORP (P)
Republic Chem Corp
Chem-Salts, Inc (P) McGean Chem Co (P)

COPPER 2-ETHYLHEXOATE (Copper Octoate)

►HARSHAW CHEM CO (P)
Advance Solvents & Chem Div (P) Shepherd Chem Co (P)
Chase Chem Corp (P) Fred'k A Stresen-Reuter Inc (P)
McGean Chem Co (P) Troy Chem Co (P)
Metalead Products Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

TC TENNESSEE CORPORATION

COPPER CARBONATE

ANALYSIS

Cu	55.00%
HCL insols.	0.00%
SO_4 (as basic Cu SO_4)	0.232%
SO_4 (as NA_2 SO_4)	0.018%
Fe	0.040%
CL	0.000%
NO_3	0.000%
Alkalies and Earth	0.014%

100 pound multiwall bags
400 pound fiber drums
Available in Light or Dense Grades

For further information phone JAckson 3-5024 or write.

TENNESSEE CORPORATION
612-629 Grant Building, Atlanta 3, Georgia

COPPER CHLORIDE
CUPRIC & CUPROUS

HENRY BOWER CHEMICAL MANUFACTURING CO.
29th & GRAYS FERRY ROAD
PHILADELPHIA 46, PA.

HARSHAW

CUPRIC CHLORIDE
Dihydrate Dried Crystal
Anhydrous

COPPER HYDRATE

COPPER NITRATE

CUPRIC OXIDE (BLACK)

See individual listings for copper soaps

THE HARSHAW CHEMICAL CO.
CLEVELAND 6, OHIO
CHICAGO LOS ANGELES
CINCINNATI NEW YORK
DETROIT PHILADELPHIA
HOUSTON PITTSBURGH

COPPER FLUOBORATE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

COPPER FLUORIDE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

COPPER FORMATE
Chemical Products Div, Chemetron Corp (P)
City Chem Corp (P)
Premium Chems (P)

COPPER GLUCONATE
Chas Pfizer & Co (P)
Premium Chems (P)

COPPER GLYCINATE
►ACETO CHEM CO (P)
►BENZOL PRODUCTS CO (P)
Laboratory Equipment Corp (P)

COPPER HEMIOXIDE see Copper Oxide, Red

COPPER HYDRATE see Copper Hydroxide

COPPER HYDRATE COMPLEXES
Henry Bower Chem Mfg Co (P)

COPPER HYDROXIDE (Copper Hydrate, Cupric Hydroxide, Hydrated Copper Oxide)
City Chem Corp
Faesy & Besthoff
►HARSHAW CHEM CO (P)
Republic Chem Corp (P)
Mountain Copper Co (P) Royce Chem Co (P)

COPPER IODIDE (ic)
Gallard-Schlesinger Chem Mfg Corp (P)

COPPER IODIDE (ous)
Aero Chem Corp (P)
Chemical Mfg Co
City Chem Corp (P)
Fisher Scientific Co (P)
Gallard-Schlesinger Chem Mfg Corp (P)
Cooper Chem Co (P) Shepherd Chem Co (P)

COPPER LACTATE
Premium Chems (P)

COPPER LASUR see Copper Carbonate

COPPER LINOLEATE (Cuprous Linoleate)
►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)
Metalead Products Corp (P) Fred'k A Stresen-Reuter Inc (P)
Premium Chems (P) Troy Chem Co (P)
Shepherd Chem Co (P)

COPPER, METAL (Cuprum)
Belmont Smelting & Refining Works (P)
Calumet Div (P)
Fisher Scientific Co
International Selling Corp
Mallinckrodt Chem Works (P)
Phelps Dodge Refining Co (P)
Alloy Metal Products (P) Bram Metallurgical-Chem Co (P)
American Smelting & Refining Co (P)

COPPER MONOXIDE see Copper Oxide, Black

COPPER NAPHTHENATE
►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
Oronite Div (P)
►WITCO CHEM CO (P)
California Ink Co (P) Premium Chems (P)
Carlisle Chem Works (P) Shepherd Chem Co (P)
Chase Chem Div (P) Socony Mobil Oil Co (P)
Ferro Chem Corp (P) Fred'k A Stresen-Reuter Inc (P)
Leffingwell Chem Co (P) Triangle Chem Co (P)
McGean Chem Co (P) Troy Chem Co (P)
Metalead Products Corp (P)

COPPER NITRATE (Cupric Nitrate)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Fisher Chem Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
Chem-Salts, Inc (P) McGean Chem Co (P)

COPPER OLEATE (Cupric Oleate) — see also Soaps, Metallic
Nuodex Products Co (P)
►WITCO CHEM CO (P)
Leffingwell Chem Co (P) Shepherd Chem Co (P)
McGean Chem Co (P) Fred'k A Stresen-Reuter Inc (P)
Premium Chems (P)
Troy Chem Co (P)

COPPER OXALATE
Mallinckrodt Chem Works (P)
Premium Chems (P)

COPPER OXIDE (ic), BLACK (Copper Monoxide)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Belmont Smelting & Refining Works (P)
Calumet Div (P)
Mallinckrodt Chem Works (P)
Prince Mfg Co (P)
Republic Chem Corp (P)
Chem-Salts, Inc (P) McGean Chem Co (P)
Robert A Coupe (P) Mountain Copper Co (P)
B F Drakenfeld & Co (P)

COPPER OXIDE, BROWN
Calumet Div (P)
Robert A Coupe (P)

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Calumet Div (P)
Faesy & Besthoff
Prince Mfg Co (P)
Republic Chem Corp (P)
Revelli Chems, Inc
C K Williams & Co (P)

Chem-Salts, Inc (P)
Robert A Coupe (P)
McGean Chem Co (P)
Mountain Copper Co (P)

COPPER OXYCHLORIDE

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Chempar Chem Co (P)
Revelli Chems, Inc
Riches-Nelson, Inc
Samincorp

Los Angeles Chem Co (P)

COPPER PALMITATE

Mathe Chem Co (P)
Premium Chems (P)

COPPER PHOSPHATE

City Chem Corp (P)
►VICTOR CHEM WORKS (P)

COPPER, POWDER

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Freeman Chem Corp (P)
Claremont Pigment Dispersion Corp (P)
Gold Leaf & Metallic Powders (P)
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COPPER PROTEIN

Wilson Labs (P)

COPPER PROTOXIDE see Copper Oxide, Red

COPPER 8-QUINOLINOLATE (Copper-8)

Fisher Chem Co
Metalsalts Corp (P)
Needex Products Co (P)

Bennett Inc (P)
Gamma Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)
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J Meyer & Sons (P)
Premium Chems (P)
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Phelps Dodge Refining Co (P)
Republic Chem Corp (P)

Alloy Metal Products (P)
McGean Chem Co (P)

COPPER SILICATE

City Chem Corp (P)

COPPER STANNATE

City Chem Corp (P)
►METAL & THERMIT CORP (P)

Premium Chems (P)

COPPER STEARATE (Cupric Stearate)

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Millmaster Chem Corp
►WITCO CHEM CO (P)

Leffingwell Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

COPPER SUBACETATE see Copper Acetate, Basic

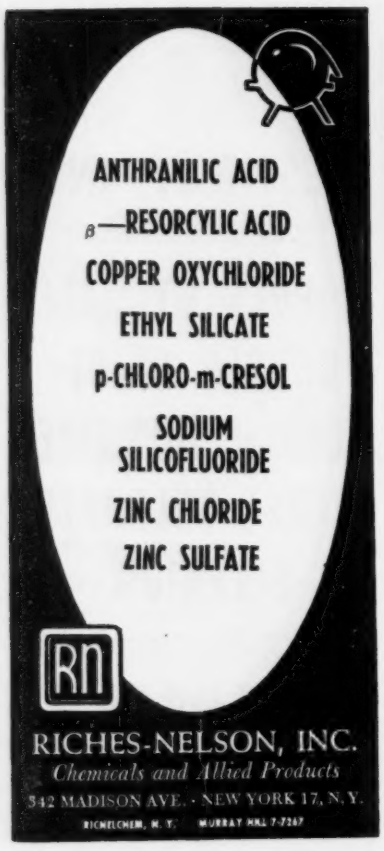
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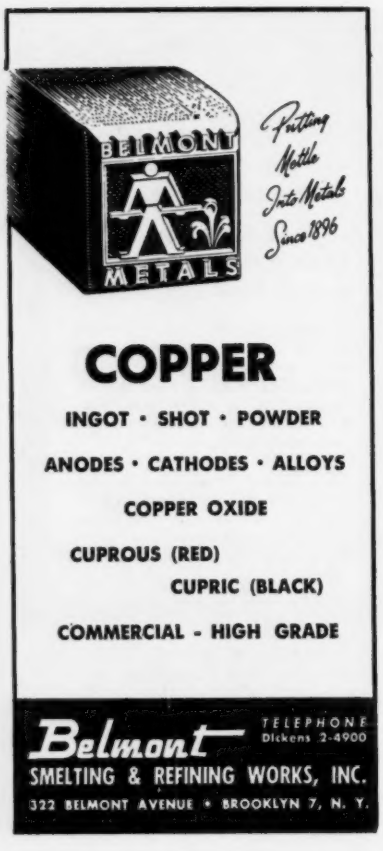
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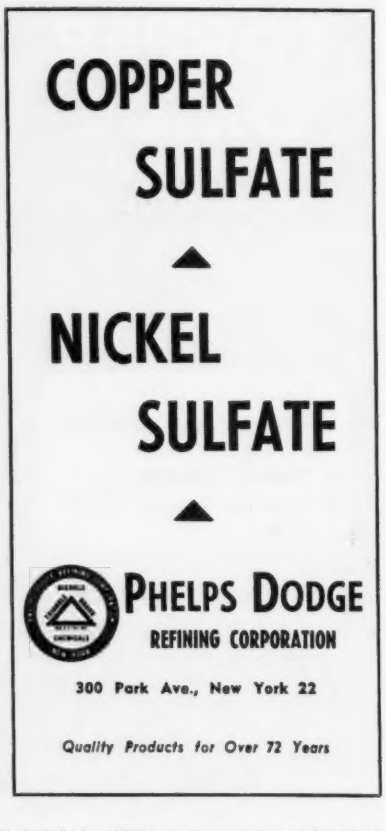
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►J T BAKER CHEM CO (P)
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►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
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Indussa Corp
Kraft Chem Co
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Prior Chem Corp
Republic Chem Corp (P)
Revelli Chems, Inc
Robeco Chems
Samincorp
E M Sergeant Pulp & Chem Co
J U Starkweather Co
Tennessee Corp (P)
Thompson-Hayward Chem Co

Chem-Met Corp (P) Ortho Div (P)
Mountain Copper Co (P)

COPPER SULFATE, AMMONIATED (Copper Ammonium Sulphate)

City Chem Corp (P)

Mountain Copper Co (P)

COPPER SULFATE, BASIC (Copper Subsulfate)

H J Baker & Bro
Faesy & Besthoff
J F Henry Chem Co
►McKESSON & ROBBINS, CHEM DEPT
Phelps Dodge Refining Corp (P)
Robeco Chems
Tennessee Corp (P)
Joseph Turner & Co

Mountain Copper Co (P) Ortho Div (P)

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Faesy & Besthoff
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Lotte Chem Corp
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Republic Chem Corp
Revelli Chems, Inc
Samincorp
Tennessee Corp (P)
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Mallinckrodt Chem Works (P)

Dye Specialties (P)

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Advance Solvents & Chem Div (P)
Chase Chem Corp (P)
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Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

COPPER TARTRATE

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Premium Chems (P) Shepherd Chem Co (P)

COPPER THIOCYANATE (ous) (Copper Sulfocyanide)

City Chem Corp (P)
Croton Chem Corp
Fisher Scientific Co (P)
Halby Chem Co (P)

COPPER UNDECYLENATE

Millmaster Chem Corp (P)

Mathe Chem Co (P) Premium Chems (P)

COPRA CAKE & MEAL

Pacific Vegetable Oil Corp (P)

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American Oil & Supply Co (P)
Antara Chems Div (P)
Degen Oil & Chem Co (P)
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►PHILADELPHIA QUARTZ CO (P)
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Borden Chem Co (P)
Corn Products Co (P)
B F Goodrich Chem Co (P)
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CORN STARCH see Starch, Corn

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A E Staley Mfg Co (P)
Tretolite Co Div (P)
Union Starch & Refining Co (P)

CORROSION PROOFING see Inhibitors, Corrosion

CORROSIVE SUBLIMATE, see Mercury Chloride (ic)

CORTICOTROPIN see ACTH

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CORUNDUM see Aluminum Oxide

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COSMOLINE see Petrolatum

COTTON DUST see Insecticides

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Neville Chem Co (P)

COUMARONE RESIN see Resins, Coumarone-Indene

COWRIE see Gum, Congo

CREAM OF TARTAR see Potassium Bitartrate

CREAM OF TARTAR, CRUDE see Argols

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Crowley Tar Products Co (P)
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M W Hardy & Co (P)
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Productol Co (P)
Tar Residuals

Crowley Tar Products Co (P)
Jefferson Lake Sulphur Co, Merichem Div (P)
Northwest Petrochem Corp (P)

o-CRESOL (o-Methylphenol)

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Browning Chem Corp
Concord Chem Co (P)
Fallek Chem Corp
M W Hardy & Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mercer Chem Corp
Millmaster Chem Corp
Pittsburgh Chem Co (P)
Productol Co (P)
Tar Residuals

Crowley Tar Products Co (P)
Jefferson Lake Sulphur Co, Merichem Div (P)
Northwest Petrochem Corp (P)
Pitt-Consol Chem Co (P)
U S Steel Corp (P)

p-CRESOL (p-Methylphenol)

Browning Chem Corp
Concord Chem Co (P)
Florasynth Labs
M W Hardy & Co
Hercules Powder Co (P)
Mercer Chem Corp
Millmaster Chem Corp
Pittsburgh Chem Co (P)
Riches-Nelson, Inc
Sherwin-Williams Co (P)
Tar Residuals

Crowley Tar Products Co (P)
Jefferson Lake Sulphur Co, Merichem Div (P)

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Concord Chem Co (P)
Fallek Chem Corp
M W Hardy & Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
Mercer Chem Corp
Productol Co (P)
Reilly Tar & Chem Corp (P)
Riches-Nelson, Inc
Samincorp
Tar Residuals

Coopers Creek Chem Corp (P)
Crowley Tar Products (P)
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Northwest Petrochem Corp (P)
Pitt-Consol Chem Co (P)
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Andor Labs (P)

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Eastern Chem Corp (P)
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Fisher Scientific Co
Pylam Products Co (P)

Hartman-Leddon Co (P)
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Matheson Coleman & Bell (P)

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Andor Labs (P)

p-CRESYL ACETATE

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CROCUS see Saffron, Spanish

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CROTONONITILE

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CRYOLITE, NATURAL (Cryolith, Greenland Spar, Ice Stone, Kryolith)
Chemical Mfg Co
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CRYOLITE, SYNTHETIC (Sodium Aluminum Fluoride, Sodium Fluoaluminate)
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CRYSTAL VIOLET see Methyl Violet

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CUBIC NITER see Sodium Nitrate

CUMARIN see Coumarin

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CUMENYLAMINE see Cumidine

CUMIDINE—see also Pseudocumidine
K & K Labs (P)

CUMINIC ALDEHYDE
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CUPFERRON (Nitrosophenyl Hydroxylamine, Copperon)
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Eastern Chem Corp (P)
Fisher Scientific Co
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CUPRIC CHEMICALS see corresponding Copper chemical

CUPRICIN see Copper Cyanide (ous)

CUPRIO AND CUPROUS CHEMICALS see corresponding Copper chemical

CUPRON see α-Benzoinoxime

CURCUMA see Turmeric

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Miller-Stephenson Chem Co (P)
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Synthetic Chems (P)
Applied Plastics Div (P)
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Devcon Corp (P)
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Naugatuck Chem Div (P)

CURRY see Turmeric

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CYCLAMATE CALCIUM see Calcium Cyclamate

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Cyclopentyl Bromide	B.P.=137-138°C Commercial
Cyclohexene Oxide	B.P.=129-130°C Research
Cyclopentylpropionic Acid	B.P.=130-132°C$_{12}$ Commercial
Cyclopentylpropionyl Chloride	B.P.=81-82°C$_{10}$ Commercial
2-Carbethoxycyclohexanone	Pilot

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Phillips Petroleum Co, Special Products Div (P)
Brothers Chem Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)

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DeMert & Dougherty, Inc
Dow Chem Co (P)
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Howe & French
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc

CYCLOHEXANONE (Ketohexamethylene)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Howe & French
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc

CYCLOHEXANONE OXIME

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Nuodex Products Co (P)
Andor Labs (P)

CYCLOHEXANONE PEROXIDE

Lucidol Div, Wallace & Tiernan Inc (P)
Cadet Chem Corp (P)
US Peroxygen Corp (P)

CYCLOHEXENE (Benzene Tetrahydride)

Farchan Research Labs (P)
►KAY-FRIES CHEMS (P)
Phillips Petroleum Co, Special Products Div (P)

CYCLOHEXENE OXIDE

Arapahoe Chems (P)
Farchan Research Labs (P)
Millmaster Chem Corp

CYCLOHEXENYLTRICHLOROSILANE

Dow Corning Corp (P)
Peninsular ChemResearch (P)

CYCLOHEXYL ACRYLATE

Borden Chem Co (P)

CYCLOHEXALAMINE

►ABBOTT LABS (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, EXPLOSIVES DEPT (P)
►MONSANTO CHEM CO (P)
Hagan Chems & Controls (P)

CYCLOHEXYL BROMIDE

Dow Chem Co (P)
►ELI LILLY & CO, ELANCO DIV (P)

2-CYCLOHEXYLCYCLOHEXANOL

Dow Chem Co (P)

CYCLOHEXYL METHACRYLATE

Sartomer Resins, Inc (P)
Borden Chem Co (P)

p-CYCLOHEXYLPHENOL

Dow Chem Co (P)
Midland Tar Distillers

CYCLOHEXYL STEARATE

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

N-CYCLOHEXYL-p-TOLUENE-SULFONAMIDE

►MONSANTO CHEM CO (P)

CYCLOHEXYLTRICHLOROSILANE

Dow Corning Corp (P)

CYCLONOL

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
►R W GREEFF & CO
Fries Bros (P)
Schimmel & Co (P)

CYCLOPENTANE (Pentamethylene)

Aldrich Chem Co (P)
Phillips Petroleum Co, Special Products Div (P)
Signal Oil & Gas Co (P)

CYCLOPENTANOL see Alcohol, Cyclopentyl

CYCLOPENTANONE

Aldrich Chem Co (P)
Arapahoe Chems (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Millmaster Chem Corp (P)
Mercury Chem Corp (P)
Roberts Chems, Inc (P)

CYCLOPENTANONE OXIME

Millmaster Chem Corp (P)
Andor Labs (P)

CYCLOPENTENE

Aldrich Chem Co (P)
Farchan Research Labs (P)
Phillips Petroleum Co, Special Products Div (P)

CYCLOPENTYL BROMIDE (Bromocyclopentane)

Aldrich Chem Co (P)
Arapahoe Chems (P)
►ELI LILLY & CO, ELANCO DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)

CYCLOPENTYL PROPIONYL CHLORIDE

Arapahoe Chems (P)
Millmaster Chem Corp

CYCLOPROPANE (Trimethylene)

Thomas A Edison Industries, Medical Gas Div (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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p-CYMENE (Cymol, p-Cymol, p-Isopropyltoluene, Isopropyltoluol, Methyl-propylbenzene, Methyl-Isopropylbenzene)

Fritzsche Bros
Hercules Powder Co (P)
Glidden Co (P)

CYMOL see p-Cymene

CYSTAMINE see Hexamethylenetetramine

CYSTEINE HYDROCHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Pfanstiehl Labs
Paul-Lewis Labs (P)
Winthrop Labs (P)

CYSTINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Pfanstiehl Labs
Winthrop Labs (P)

CYSTOGEN see Hexamethylenetetramine

D

2,4-D see Acid, 2,4-Dichlorophenoxyacetic

DAMMAR see Gum, Dammar

DDT see Dichlorodiphenyl-Trichloroethane

DECABORANE

Callery Chem Co (P)

DECAHYDRONAPHTHALENE (Decalin, Dekaline, Bicyclodecane)

►BAIRD CHEM INDUSTRIES, INC
►DU PONT, DYES & CHEMS DIV (P)

DECALIN see Decahydronaphthalene

DECAMETHYLENEDIBROMIDE (1,10-Dibromodecane)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
Edcan Labs (P)
Pierce Chem Co (P)

DECAMETHYLENE GLYCOL (1,10-Dihydroxydecane; 1,10-Decanediol)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
Edcan Labs (P)
Pierce Chem Co (P)

n-DECANE

►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)

1-DECENE

Aldrich Chem Co (P)
Farchan Research Labs (P)
►HUMPHREY-WILKINSON (P)

DECONTAMINANTS, MERCURY

Guard Chem Co (P)
Stieh Chems Inc (P)

DECONTAMINANTS, RADIOACTIVITY

Barnebey-Cheney Co (P)
Dow Chem Co (P)
Britex Corp (P)
Stieh Chems Inc (P)

n-DECYL BROMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
►HUMPHREY-WILKINSON (P)

n-DECYL CHLORIDE (1-Chlorodecane)

►ACETO CHEM CO (P)
►HUMPHREY-WILKINSON (P)

n-DECYL CHLOROFORMATE

RSA Corp (P)

DECYL MERCAPTAN

Aldrich Chem Co (P)
►HUMPHREY-WILKINSON (P)
Pennsalt Chems Corp (P)

DEFOAMERS

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Armour Industrial Chem Co (P)
Bonewitz Chems (P)
Chemsol, Inc (P)
►COMMERCIAL SOLVENTS CORP (P)
Concord Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
Fine Organics (P)
Geigy Dyestuffs Div (P)
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Hercules Powder Co P)
►JEFFERSON CHEM CO (P)
Kessler Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
M Michel & Co
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP
Patent Chems (P)
Smith Chem & Color Co (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
Stoney-Mueller, Inc
Synthetic Chems (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
American Alcolac Corp (P)
American-Marietta Co (P)
Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Bennett Inc (P)
Berkshire Color & Chem Corp (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Carlisle Chem Works (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
W F Fancourt Co (P)
Feedwaters, Inc (P)
Finetex Inc (P)
Foremost Food & Chem Co (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Magnet Cove Barium Corp (P)
Mearl Chem Corp (P)
Metro-Atlantic, Inc (P)
Nalco Chem Co (P)
New York Color & Chem Co (P)
Oakite Products (P)
Pennsylvania Refining Co (P)
Permutit Co (P)
Raybo Chem Co (P)
Reilly-Whiteman-Walton Co (P)
Sandoz, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Seaboard Chems (P)
Socony Mobil Oil Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Tretolite Co Div (P)
Troy Chem Co (P)
Western Chem Co (P)
Wica Chems (P)

DEFOAMERS, SILICONE

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Dow Corning Corp (P)
Geigy Dyestuffs Div (P)
General Elec Co, Silicone Products (P)
Harwick Standard Chem Co
►NOPCO CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Berkshire Color & Chem Corp (P)
Bryant Chem Corp (P)
Clarkson Labs (P)
B R Elk & Co (P)
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Dow Chem Co (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)

Amchem Products (P)
Chapman Chem Co (P)
Chipman Chem Co (P)
Woodbury Chem Co (P)

DEGRAS (Wool Grease, Sod Oil, Tanning Grease, Leather Grease)

Croda, Inc (P)
Gallard-Schlesinger Chem Mfg Corp
►R W GREEFF & CO
►McKESSON & ROBBINS, CHEM DEPT
William E Phillips Inc
Rebeco Chems

Bopf-Whittam Corp (P)
Lanaetex Products (P)
Malmstrom Chem Corp (P)
Reilly-Whiteman-Walton Co (P)
Arthur C Trask Co (P)

DEGRAS, MOELLON

Seaboard Chems (P)

DEGUMMERS, SILK

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Union Carbide Chems Co (P)

Amalgamated Chem Corp (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fermco Labs (P)
Hart Products Corp (P)
Marlowe-Van Loan Corp (P)
Mona Industries (P)
Procter & Gamble Co (P)
Scher Bros (P)
Scholler Bros (P)
Wallerstein Co (P)

DE HAENS SALT see Antimony Salt

DEHAIRING COMPOUNDS

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►HOOKER CHEM CORP (P)
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
►WYANDOTTE CHEMS CORP (P)

Barium & Chems (P)
Bernard Chem Products Co (P)
Britex Corp (P)
DuBois Co (P)
Mona Industries (P)
Oakite Products (P)
Paul-Lewis Labs (P)
Wallerstein Co (P)

DEHUMIDIFIERS see Air Dehumidifiers

DEHYDRATING AGENTS

Barnebey-Cheney Co (P)
Dow Chem Co (P)
►HARSHAW CHEM CO (P)
►HOOKER CHEM CORP (P)
►JEFFERSON CHEM CO (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Olin Mathieson Chem Corp, Industrial Chems
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)

Aluminum Co of America (P)
Barium & Chems (P)
Culligan, Inc (P)
Electro Chem Co (P)
Filtrol Corp (P)
W A Hammond Drierite Co (P)
Kaiser Refractories & Chems Div (P)
Merix Chem Co (P)
Tretolite Co Div (P)

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American Mineral Spirits Co
American Oil & Supply Co (P)
Antara Chems Div (P)
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Fine Organics (P)
►JEFFERSON CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
►ONYX CHEM CORP (P)
►PEERLESS OIL & CHEM CORP
Rohm & Haas Co (P)
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
Trio Chem Works (P)
Union Carbide Chems Co (P)

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Barlow Chem Corp (P)
E F Drew & Co (P)
Kaysing Corp (P)
Krylon, Inc (P)

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Treplow Chem Co (P)

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Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
Clarkson Labs (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
W F Fancourt Co (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
New Jersey Zinc Co (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Wica Chems (P)

DEMULSIFIERS

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Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
M Michel & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
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►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Arol Chem Products (P)
Continental Chem Co (P)
E F Drew & Co (P)
Magnet Cove Barium Corp (P)
Mona Industries (P)
Seaboard Chems (P)
Pennsylvania Refining Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Tretolite Co Div (P)
Wye Industries (P)

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Givaudan-Delawanna (P)
►KAY-FRIES CHEMS (P)
Stoney-Mueller, Inc
►TENNESSEE PRODUCTS & CHEM CORP (P)
Union Carbide Chems Co (P)

Crowley Tar Products Co (P)
Warwick Chem Div (P)
Wye Industries (P)

DEODORANTS

Atlas Chem Industries, Chems Div (P)
Barnebey-Cheney Co (P)
Dodge & Olcott (P)
Fierasynth Labs (P)
Fritzsche Bros (P)
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(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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Sindar Corp
Treplow Chem Co (P)
Trio Chem Works (P)

Alpine Aromatics (P)
Barco Chem Products Co (P)
Davies-Young Soap Co (P)
Thomas A Edison Industries, Medical Gas Div (P)
Fuld Bros (P)
Industrial Materials Co (P)
Kaysing Corp (P)
Magnus, Mabee & Reynard (P)
Oakite Products (P)
Pace Inc (P)
Premium Chems (P)
E W Smith Chem Co (P)
Uncle Sam Chem Co (P)

DEPILATORY AGENTS

Mallinckrodt Chem Works (P)

Barium & Chems (P)
Oakite Products (P)

DERRIS

Prentiss Drug & Chem Co (P)

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Aluminium Limited Sales
Barnebey-Cheney Co (P)
►DAVISON CHEM DIV (P)
Dow Chem Co (P)
Floridin Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►JEFFERSON CHEM CO (P)
►JOHNS-MANVILLE (P)
Mallinckrodt Chem Works (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Thompson-Hayward Chem Co
►WYANDOTTE CHEMS CORP (P)

Aluminum Co of America (P)
Barium & Chems (P)
Chipman Chem Co (P)
Culligan, Inc (P)
Electro Chem Co (P)
Filtrol Corp (P)
W A Hammond Drierite Co (P)
Kaiser Refractories & Chems Div (P)
Merix Chem Co (P)
Socony Mobil Oil Co (P)

DESIZING AGENTS

Hercules Powder Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rohm & Haas Co (P)
Standard Brands (P)
J U Starkweather Co
Treplow Chem Co (P)
Union Carbide Chems Co (P)
Valchem (P)
►WYANDOTTE CHEMS CORP (P)

Burkart-Schier Chem Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Essential Chem Co (P)
E F Houghton & Co (P)
Heyden Newport Chem Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Pabst Brewing Co (P)
Scher Bros (P)
Wallerstein Co (P)

DESIZING DETERGENTS, BUILDERS'

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Treplow Chem Co (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Colloids, Inc (P)
Continental Chem Co (P)
Emkay Chem Co (P)
Hart Products Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Oakite Products (P)
Procter & Gamble Co (P)
Sandoz Inc (P)
Scher Bros (P)
Wica Chems (P)
Wye Industries (P)

DESOXYCORTICOSTERONE ACETATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Biorganic Labs (P)
Roselle Labs (P)

DESOXYEPHEDRINE HYDROCHLORIDE

►ABBOTT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Gane & Ingram (P)
►R W GREEFF & CO

Arenol Chem Corp (P)
Biorganic Labs (P)
Hexagon Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

DESULFURIZING AGENTS

Union Carbide Chems Co (P)

DETACKIFIERS, RUBBER

Baker Castor Oil Co (P)

Adhesive Products Corp (P)
National Chem & Plastics Co (P)
National Polychems (P)
National Starch & Chem Corp (P)
Wica Chems (P)

DETERGENTS (SYNTHETIC), AMPHOTERIC

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Armour Industrial Chem Co (P)
Concord Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
General Mills, Chem Div (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
►ONYX CHEM CORP (P)
Patent Chems (P)
Process Chems Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
H P Rossiger & Co
Sole Chem Corp (P)
Synthetic Chems (P)
Tect, Inc (P)
Treplow Chem Co (P)

Arol Chem Products Co (P)
Bernard Chem Products Co (P)
Britex Corp (P)
Burkart-Schier Chem Co (P)
Chicago Sanitary Products Co (P)
E F Drew & Co (P)
DuBois Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
W F Fancourt Co (P)
Fiber Chem Corp (P)
Fuld Bros (P)
Hart Products Corp (P)
Metro-Atlantic, Inc (P)
Miranol Chem Co (P)
Nalco Chem Co (P)
Scholler Bros (P)
Standard Chem Products (P)
Swift & Co, General Soap Dept (P)
Tanatex Chem Corp (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

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►ACETO CHEM CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Ardmore Chem Co (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Benewitz Chems
►CHEMICAL SOLVENTS, INC
Concord Chem Co (P)
►CONTINENTAL OIL CO (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
Howe & French
Intex Chem Corp
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Lever Bros Co (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
Patent Chems (P)
►PEERLESS OIL & CHEM CORP
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Process Chems Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sole Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Tect, Inc (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS DIV (P)
Union Carbide Chems Co (P)
Valchem (P)
►WITCO CHEM CO (P)

Amalgamated Chem (P)
American Alcolac Corp (P)
Andor Labs (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Berkshire Color & Chem Corp (P)
Britex Corp (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Chicago Sanitary Products (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
Industrial Materials Co (P)
Lestoil Products (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Miranol Chem Co (P)
Mona Industries (P)
Petrochemicals Co (P)
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Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Surfact Co, Inc (P)
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Tanatex Chem Corp (P)
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Concord Chem Co (P)
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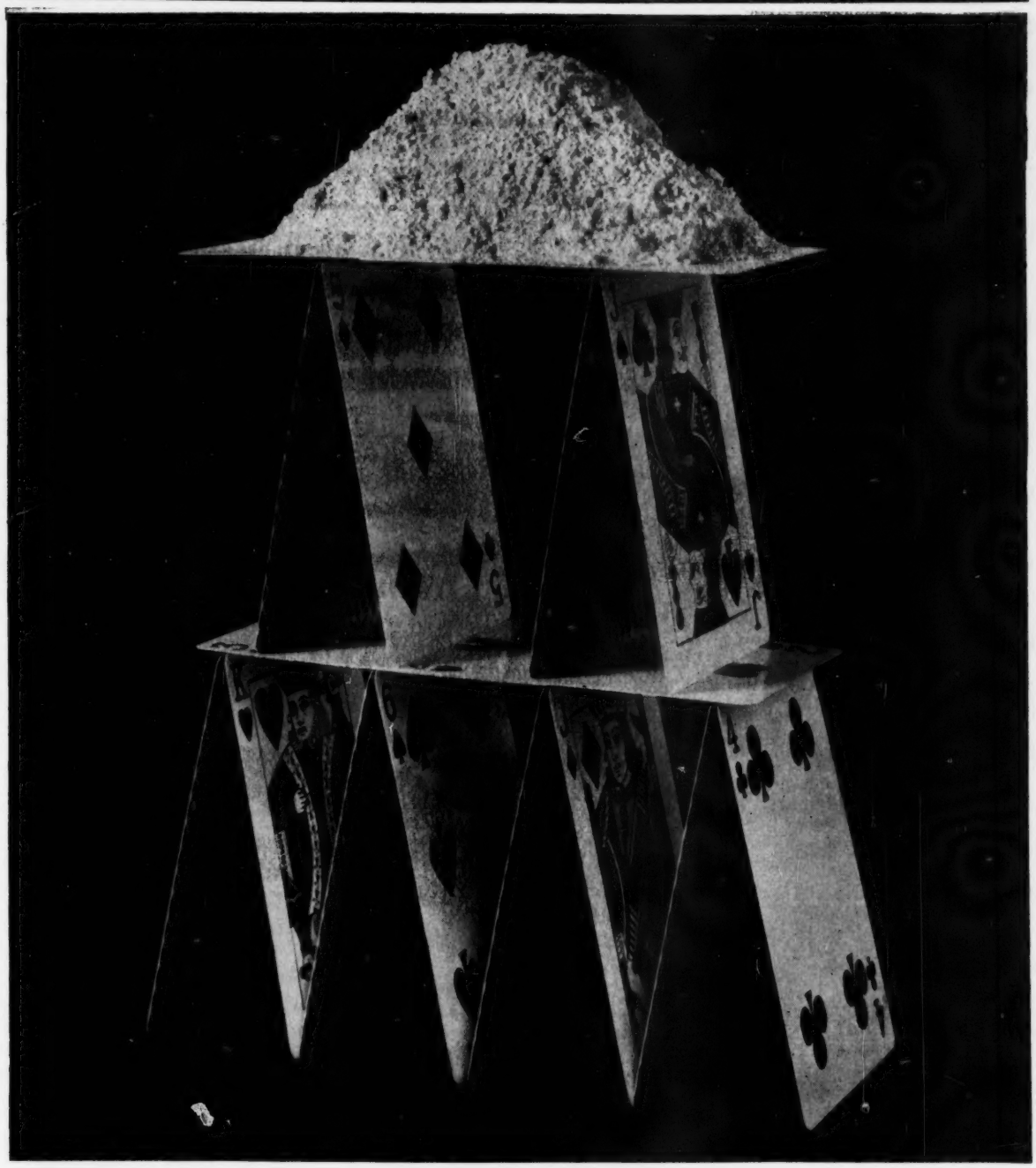
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Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

DI-n-BUTYLAMMONIUM TETRAFLUOBORATE
Ozark-Mahoning Co (P)

DIBUTYL CARBONATE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

DI-tert.-BUTYL-p-CRESOL
Amoco Chems Corp (P)
►EASTMAN CHEM PRODUCTS (P)
Fallek Chem Corp
►R W GREEFF & CO
►KOPPERS CO, TAR PRODUCTS DIV (P)
►SHELL CHEM CO (P)

Catalin Corp of America (P)

DI-tert.-BUTYL DISULFIDE
Phillips Petroleum Co, Special Products Div (P)

DIBUTYL FUMARATE
Hatco Chem Div (P)
►MONSANTO CHEM CO (P)

Reichhold Chems, Inc (P) Rubber Corp of America (P)

DIBUTYL HYDROGEN PHOSPHITE
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

2,5-DI-tert.-BUTYL HYDROQUINONE
►EASTMAN CHEM PRODUCTS (P)

DI-n-BUTYL MALEATE
►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Hatco Chem Div (P)
►MONSANTO CHEM CO (P)

Dewey & Almy Chem Div (P) Rubber Corp of America (P)

DI-tert.-BUTYL OXALATE
►ACETO CHEM CO
Lucidol Div, Wallace & Tiernan Inc (P)
Millmaster Chem Corp (P)
►SHELL CHEM CO (P)

DI-tert.-BUTYL PEROXIDE
U S Peroxygen Corp (P)

2,4-DI-tert.-BUTYLPHENOL
Aldrich Chem Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Midland Tar Distillers

2,6-DI-tert.-BUTYLPHENOL
Aldrich Chem Co (P)
►ETHYL CORP (P)

N,N'-DI-sec.-BUTYL-p-PHENYLENEDIAMINE
Amoco Chems Corp (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP

DIBUTYL PHOSPHITE
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

DIBUTYL PHTHALATE
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►ALLIED CHEM CORP, PLASTICS DIV (P)
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American Oil & Supply Co
B T Chemco
►BAIRD CHEM INDUSTRIES, INC
Bergstrom Trading Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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►CHEMICAL SOLVENTS, INC
Columbian Carbon Co
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
r-R W GREEFF & CO
Harchem Div, Wallace & Tiernan Inc (P)
Harwick Standard Chem Co
Hatco Chem Div (P)
Howe & French
►JONES CHEMS, INC
E & F King & Co
Kolker Chem Corp (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Sherwin-Williams Co (P)
J U Starkweather Co
Stoney-Mueller, Inc
►WITCO CHEM CO (P)

Deecy Products Co (P) FMC Corp, Chems & Plastics Div (P)
Dewey & Almy Chem Div (P) Reichhold Chems, Inc (P)
C P Hall Co (P) Rubber Corp of America (P)

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Phillips Petroleum Co, Special Products Div (P)

2,5-DI-tert.-BUTYL QUINONE
►EASTMAN CHEM PRODUCTS (P)

Waverly Chem Co (P)

DIBUTYL SEBACATE
Columbian Carbon Co
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Fallek Chem Corp
Harchem Div, Wallace & Tiernan Inc (P)
Harwick Standard Chem Co
Hatco Chem Div (P)
Kolon Trading Co
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
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Deecy Products Co (P) Reichhold Chems, Inc (P)
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C P Hall Co (P)

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DIBUTYL TARTRATE
►ACETO CHEM CO
Kessler Chem Co (P)

DIBUTYLTHIOUREA
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)

DIBUTYL TIN DICHLORIDE
Cardinal Stabilizers (P)

DIBUTYL TIN DILAURATE
Cardinal Stabilizers (P)
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Norton Chem Works (P)

Metalead Products Corp (P)
Carlisle Chem Works (P)

DIBUTYL TIN DIMALEATE
►METAL & THERMIT CORP (P)

DICALCIUM o-PHOSPHATE see Calcium Phosphate, Dibasic

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Hatco Chem Div (P)
Kessler Chem Co (P)

DICAPRYL PHTHALATE
American Mineral Spirits Co
Chemical Affiliates (P)
Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
E & F King & Co
Mercury Chem Corp (P)
Pittsburgh Chem Co (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc

Reichhold Chems, Inc (P)

DICAPRYL SEBACATE
Hatco Chem Div (P)
Rohm & Haas Co (P)

DICHLORAMINE-T (N-Dichloro-p-toluenesulfonamide)
►MONSANTO CHEM CO (P)

DICHLOROACETALDEHYDE
►FMC CORP, CHLOR-ALKALI DIV (P)

sym-DICHLOROACETONE
Chemical Products Div, Chemetron Corp (P)
Eastern Chem Corp (P)

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)

Fries Bros (P)

2,5-DICHLOROANILINE (Amino-dichlorobenzene, Dichlorophenylamine)
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►DU PONT, DYES & CHEMS DIV (P)
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Verona-Pharma Chem Corp (P)

3,4-DICHLOROANILINE
►ACETO CHEM CO
►DU PONT, DYES & CHEMS DIV (P)
Hostachem Corp
►MONSANTO CHEM CO (P)

2,4-DICHLOROBENZALDEHYDE
Heyden Newport Chem Corp (P)

o-DICHLOROBENZENE
S L Abbot Co
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Mineral Spirits Co
American Oil & Supply Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH Chemical Products Corp (Ga) (P)
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J F Henry Chem Co
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►MODERN SOLVENTS & CHEMS CORP
►MONSANTO CHEM CO (P)
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►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
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J U Starkweather Co
Thompson-Hayward Chem Co

Dover Chem Corp (P)
Western Organics (P)

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH Chemical Products Corp (Ga) (P)
Dow Chem Co (P)
►HOOKER CHEM CORP (P)
►JONES CHEMS, INC
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Robeco Chems
J U Starkweather Co
Thompson-Hayward Chem Co

Dover Chem Corp (P)
Western Organics (P)

DICHLOROBENZENES, MIXED (Benzene Dichloride)
Chemical Products Corp (Ga) (P)
►HOOKER CHEM CORP (P)
►MONSANTO CHEM CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)

Dover Chem Corp (P)
Winthrop Labs (P)
Montrose Chem Co (P)

3,3'-DICHLOROBENZIDINE & SALTS
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Carwin Co (P)
Hostachem Corp

DICHLOROBENZOL see Dichlorobenzene

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Heyden Newport Chem Corp (P)

3,4-DICHLOROBENZOYL CHLORIDE
Heyden Newport Chem Corp (P)

2,4-DICHLOROBENZOYL PEROXIDE
Lucidol Div, Wallace & Tiernan Inc (P)

Cadet Chem Corp (P)

2,4-DICHLOROBENZOYL PEROXIDE
►ACETO CHEM CO
►McKESSON & ROBBINS, CHEM DEPT

Cadet Chem Corp (P)
U S Peroxygen Corp (P)

2,4-DICHLOROBENZYL CHLORIDE
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►BENZOL PRODUCTS CO (P)
Heyden Newport Chem Corp (P)

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►DU PONT, ELECTROCHEMS DEPT (P)

1,4-DICHLORO-2-BUTYNE
Aldrich Chem Co (P)
Farchan Research Labs (P)

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

1,3-DICHLORO-5,5-DIMETHYL HYDANTOIN
Glyco Chems (P)
►WYANDOTTE CHEMS CORP

DICHLORODIPHENYL DICHLOROETHANE
Rohm & Haas Co (P)
Prentiss Drug & Chem Co (P)

DICHLORODIPHENYL HYDANTOIN
►BAIRD CHEM INDUSTRIES, INC

4,4-DICHLORODIPHENYL SULFONE
Aldrich Chem Co (P)
Montrose Chem Co (P)

DICHLORODIPHENYL TRICHLOROETHANE (DDT)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP
H J Baker & Bro
Chempar Chem Co (P)
Diamond Alkali Co (P)
Faesy & Besthoff
Fisher Scientific Co (P)
►R W GREEFF & CO
Olin Mathieson Chem Corp, Industrial Chems (P)
►S B PENICK & CO
Pennsalt Chems Corp (P)
Republic Chem Corp
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co
Geigy Agricultural Chem Div (P)
Hayes-Sammons Chem Co (P)
Montrose Chem Co (P)

1,1-DICHLOROETHANE
►ACETO CHEM CO
Dow Chem Co (P)

1,2-DICHLOROETHANE see Ethylene Dichloride

cis-DICHLOROETHYLENE
Aldrich Chem Co (P)
Chemical Mfg Co
Eastern Chem Corp (P)
Matheson Coleman & Bell (P)

trans-DICHLOROETHYLENE
Aldrich Chem Co (P)
Chemical Mfg Co
Eastern Chem Corp (P)
Matheson Coleman & Bell (P)

DICHLOROETHYLENES, MIXED
►ACETO CHEM CO
Aldrich Chem Co (P)
Chemical Mfg Co
Dow Chem Co (P)
Matheson Coleman & Bell (P)

α-DICHLOROHYDRIN see Glycerol Dichlorohydrin

DICHLOROMALEIC ANHYDRIDE
►ACETO CHEM CO
Aldrich Chem Co (P)
Roberts Chems, Inc (P)

DICHLOROMETHANE see Methylene Chloride

2,3-DICHLORO-1,4-NAPTHOQUINONE
Aldrich Chem Co (P)
M W Hardy & Co (P)
Naugatuck Chem Div (P)

2,5-DICHLORONITROBENZENE (1-Nitro-2,5-Dichlorobenzene)
Verona-Pharma Chem Corp (P)

1,1-DICHLORO-1-NITROETHANE
►COMMERCIAL SOLVENTS CORP (P)

DICHLOROPENTANES, MIXED
Pennsalt Chems Corp (P)

DICHLOROPHENE (2,2′-Methylenebis-[4-chlorophenol])
Givaudan-Delawanna (P)
Sindar Corp (P)
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2,4-DICHLOROPHENOL
Chempar Chem Co (P)
Diamond Alkali Co (P)
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DICHLOROPHENOLSULFONPHTHALEIN see Chlorophenol Red

DICHLOROPHENYLAMINE see Dichloroaniline

1,2-DICHLOROPROPANE see Propylene Dichloride

1,3-DICHLOROPROPENE
►ACETO CHEM CO

2,3-DICHLOROPROPENE (α-Epidichlorohydrin; α-Chloroallyl Chloride)
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Faesy & Besthoff
Roberts Chems, Inc (P)

2,6-DICHLOROQUINONE CHLORIMIDE
Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Eastern Chem Corp (P)

sym-DICHLOROTETRAFLUOROETHANE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

α,α-DICHLOROTOLUENE see Benzal Chloride

2,4-DICHLOROTOLUENE
Hostachem Corp
Heyden Newport Chem Corp (P)

3,4-DICHLOROTOLUENE
Hostachem Corp
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DICUMAROL see Bishydroxycoumarin

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Fallek Chem Corp
International Selling Corp
Miller-Stephenson Chem Co (P)
Valchem

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►BAIRD CHEM INDUSTRIES, INC
►MONSANTO CHEM CO (P)

DICYCLOHEXYL CARBINOL

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►TRUBEK LABS (P)

DICYCLOHEXYL CARBODIIMIDE

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Pierce Chem Co (P)
Schwarz BioResearch (P)

DICYCLOHEXYL KETONE

Aldrich Chem Co (P)
►TRUBEK LABS (P)

DICYCLOHEXYL PHTHALATE

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Hatco Chem Div (P)
►MONSANTO CHEM CO (P)
Stoney-Mueller, Inc
FMC Corp, Chems & Plastics Div (P)
Reichhold Chems, Inc (P)

DICYCLOPENTADIENE

►ENJAY CHEM CO (P)
Brothers Chem Co (P)
Velsicol Chem Corp (P)
Union Carbide Olefins Co (P)

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Eastern Chem Corp (P)
►ETHYL CORP (P)
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Kessler Chem Co (P)
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►NOPCO CHEM CO (P)
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Stoney-Mueller, Inc
Union Carbide Chems Co
Deecy Products Co (P)
B F Goodrich Chem Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)

DIDECYL PHTHALATE

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W A Cleary Corp (P)
Columbian Carbon Co
Harwick Standard Chem Co
Hatco Chem Div (P)
Kessler Chem Co (P)
E & F King & Co
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Millmaster Chem Corp
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Millmaster Chem Corp
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DIDYMIUM, METAL

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►DAVISON CHEM DIV
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
General Cerium Corp (P)
Ronson Metals Corp (P)

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MILLMASTER Chem Corp
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Harchem Div, Wallace & Tiernan Inc (P)
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Deecy Products Co (P)
Halocarbon Products Corp (P)
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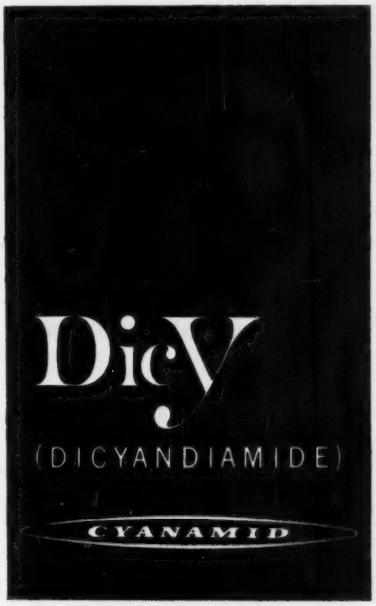
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Minnesota Mining & Mfg Co, Chem Div (P)

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Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
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►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
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FMC Corp, Chems & Plastics Div (P)

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Anderson Chem Div (P)

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Pennsalt Chems Corp (P)
H P Rossiger & Co
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

DIETHYLAMINOETHYL ACRYLATE
Borden Chem Co (P)

DIETHYLAMINOETHYL-p-AMINOSALICYLATE
Winthrop Labs (P)

β-DIETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE
Fisher Chem Co
Philip J Lo Buo Co
Metalsalts Corp (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)
Nease Chem Co (P)
Barlow Chem Corp (P)
Freeman Industries (P)
Gamma Chem Corp (P)
Hexagon Labs (P)
Ott Chem Co (P)

2-DIETHYLAMINOETHYL METHACRYLATE
►DU PONT, DYES & CHEMS DIV (P)
Borden Chem Co (P)

1-DIETHYLAMINO-PROPANOL-2
Nepera Chem Co (P)

3-DIETHYLAMINOPROPYLAMINE
Miller-Stephenson Chem Co (P)
Union Carbide Chems Co (P)

DIETHYLAMINOPROPYL CHLORIDE HYDROCHLORIDE
Aldrich Chem Co (P)
Michigan Chem Corp (P)
Barlow Chem Corp (P)
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N,N-DIETHYLANILINE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
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2,6-DIETHYLANILINE
►ETHYL CORP (P)

DIETHYLBENZENES, MIXED
Dow Chem Co (P)
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Metro-Atlantic, Inc (P)

DI(2-ETHYLBUTYL) AZELATE
Emery Industries (P)
Kessler Chem Co (P)

DIETHYL CARBAMYL CHLORIDE
Fisher Chem Co
Gamma Chem Corp (P)

DIETHYL CARBINOL see 3-Pentanol

DIETHYL CARBONATE (Diatol, Ethyl Carbonate)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DELMAR CHEM CO (P)
►R W GREEFF & CO
J F Henry Chem Co
FMC Corp, Chems & Plastics Div (P)

N,N-DIETHYLCYCLOHEXYLAMINE
►DU PONT, DYES & CHEMS DIV (P)

DIETHYLDICHLOROSILANE
Peninsular ChemResearch (P)

DIETHYLDIPHENYL-DICHLOROETHANE
Rohm & Haas Co (P)

DIETHYLENEDIAMINE see Piperazine

DIETHYLENE DIOXIDE see 1,4-Dioxane

DIETHYLENE GLYCOL
Acton Labs (P)
►ALLIED CHEM CORP, NITROGEN DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV
►AMERICAN-BRITISH CHEM SUPPLIES
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Olin Mathiesen Chem Corp, Organic Chems (P)
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Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)
Acheson Colloids Co (P)
C P Hall Co (P)

DIETHYLENE GLYCOL BIS(CHLOROFORMATE)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
J U Starkweather Co

DIETHYLENE GLYCOL DICARBAMATE
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)

DIETHYLENE GLYCOL ETHERS see Ether, Diethylene Glycol

DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

DIETHYLENE GLYCOL MONOLAURATE
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►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Carlisle Chem Works (P)
E F Drew & Co (P)
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Emkay Chem Co (P)
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Hodag Chem Corp P)
Mathe Chem Co (P)

DIETHYLENE GLYCOL MONOOLEATE
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

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See company directory for addresses

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Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)
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Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)

Carlisle Chem Works (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

DIETHYLENE GLYCOL MONOSTEARATE

►R W GREEFF & CO
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
Carlisle Chem Works (P)
Colgate-Palmolive Co (P)
E F Drew & Co (P)
C P Hall Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)

DIETHYLENE GLYCOL PHTHALATE

FMC Corp, Chems & Plastics Div (P)
Mathe Chem Co (P)

DIETHYLENE TRIAMINE

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►McKESSON & ROBBINS, CHEM DEPT
Miller-Stephenson Chem Co (P)
Union Carbide Chems Co (P)

N,N-DIETHYL ETHANOLAMINE see N,N-Diethyl-2-Aminoethanol

DIETHYL ETHOXYMETHYLENE MALONATE

►KAY-FRIES CHEMS (P)

DIETHYL FUMARATE

Hatco Chem Div (P)
►MONSANTO CHEM CO (P)
Borden Chem Co (P)

DI(2-ETHYLHEXYL) ADIPATE

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Columbian Carbon Co
►EASTMAN CHEM PRODUCTS (P)
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
NOPCO CHEM CO (P)
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Stoney-Mueller, Inc
Union Carbide Chems Co (P)
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Deecy Products Co (P)
FMC Corp, Chems & Plastics Div (P)
C P Hall Co (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

DI(2-ETHYLHEXYL) AMINE (Dioctylamine)

Union Carbide Chems Co (P)

DI(2-ETHYLHEXYL) AZELATE

Columbian Carbon Co
►EASTMAN CHEM PRODUCTS (P)
Emery Industries (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

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DI(2-ETHYLHEXYL) FUMARATE

Hatco Chem Div (P)
►MONSANTO CHEM CO (P)

Rubber Corp of America (P)

DI(2-ETHYLHEXYL) HEXAHYDROPHTHALATE

►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

DI(2-ETHYLHEXYL) HYDROGEN PHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

DI(2-ETHYLHEXYL) MALEATE

Hatco Chem Div (P)
►MONSANTO CHEM CO (P)

Rubber Corp of America (P)
Borden Chem Co (P)

DI(2-ETHYLHEXYL) PHTHALATE

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Chemical Affiliates (P)
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Columbian Carbon Co
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
►R W GREEFF & CO
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Howe & French (P)
Mercury Chem Corp (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Sherwin-Williams Co (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Valchem (P)
►WITCO CHEM CO (P)

Deecy Products Co (P)
B F Goodrich Chem Co (P)
C P Hall Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

DI(2-ETHYLHEXYL) SEBACATE

Columbian Carbon Co
Fallek Chem Corp
Florasynth Labs (P)
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Mercury Chem Corp
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc

Deecy Products Co (P)
C P Hall Co (P)
Rubber Corp of America (P)

DI(2-ETHYLHEXYL) SUCCINATE

Kessler Chem Co (P)

C P Hall Co (P)
Mona Industries (P)
Scher Bros (P)

DIETHYL HYDROGEN PHOSPHITE

►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

DIETHYL KETONE (Methacetone, Ethyl Propionyl, Propione, 3-Pentanone)

Givaudan-Delawanna (P)

Hexagon Labs (P)

DIETHYL MALEATE see Ethyl Maleate

DIETHYL MALONATE see Ethyl Malonate

N,N-DIETHYL NICOTINAMIDE see Nikethamide

O,O-DIETHYL-p-NITROPHENYL THIOPHOSPHATE see Parathion

DIETHYL OXALATE see Ethyl Oxalate

DIETHYL PHTHALATE (Ethyl Phthalate)

American Minerals Spirits Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
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Florasynth Labs
Fritzsche Bros
Hatco Chem Div (P)
►JONES CHEMS, INC
►KAY-FRIES CHEMS (P)
►MONSANTO CHEM CO (P)
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Stoney-Mueller, Inc

Reichhold Chems, Inc (P)

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►ABBOTT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
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►ELI LILLY & CO, ELANCO DIV
Specific Pharmaceuticals, Chemetron Corp (P)

Kaplop Labs (P)
Roselle Labs (P)
Sterol Derivatives (P)
Tennant Chem Div (P)

DIETHYL SUCCINATE see Ethyl Succinate

DIETHYL SULFATE (Ethyl Sulfate)

►ACETO CHEM CO
Union Carbide Chems Co (P)

DIETHYL SULFIDE see Ethyl Sulfide

1,3-DIETHYLTHIOUREA

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Faesy & Besthoff
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)

N,N-DIETHYL-m-TOLUAMIDE

Cowles Chem Co (P)
►R W GREEFF & CO

N,N-DIETHYL-m-TOLUIDINE

►DU PONT, DYES & CHEMS DIV (P)

1,1-DIFLUOROETHANE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Kalker Chem Corp (P)

DIGITALIS

Prentiss Drug & Chem Co (P)

DIGITOXIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Henley & Co
George Uhe Co

DIGLYCOL AND ESTERS see Diethylene Glycol and Esters

DI-tert.-HEPTYL DISULFIDE

Phillips Petroleum Co, Special Products Div (P)

DIHEXYL ADIPATE

Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)

Thompson Chem Co (P)

DIHEXYL AZELATE

Emery Industries (P)
Kessler Chem Co (P)

DIHEXYL PHTHALATE (Di[2-Ethyl Butyl] Phthalate)

Advance Solvents & Chem Div (P)
Columbian Carbon Co
Hatco Chem Div (P)
Kessler Chem Co (P)
Thompson Chem Co (P)
Rubber Corp of America (P)

DIHEXYL SEBACATE

Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)

DIHYDRAZINE SULFATE

Olin Mathieson Chem Corp, Industrial Chems (P)

DIHYDROCHOLESTEROL

Winthrop Labs (P)

DIHYDROSTREPTOMYCIN

Merck Chem Div (P)

DIHYDROSTREPTOMYCIN SULFATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►ELI LILLY & CO, ELANCO DIV (P)
Merck Chem Div (P)
George Uhe Co

DIHYDROXYACETONE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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PHENETOL & b-CHLOROPHENETOL
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1,2-DIHYDROXYANTHRAQUINONE see Alizarin

1,4-DIHYDROXYANTHRAQUINONE see Quinizarin

m-DIHYDROXYBENZENE see Resorcinol

o-DIHYDROXYBENZENE see Pyrocatechol

p-DIHYDROXYBENZENE see Hydroquinone

DIHYDROXYCAMPHENE see Borneol

1,10-DIHYDROXYDECANE see Decamethylene Glycol

o,o'-DIHYDROXYDIPHENYL see o,o'-Biphenol

4,4'-DIHYDROXYDIPHENYLSULFONE

Aldrich Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
►MONSANTO CHEM CO (P)
United States Pipe & Foundry Co (P)

1,3-DIHYDROXYNAPHTHALENE (Napthoresorcinol)

►BAIRD CHEM INDUSTRIES, INC
RSA Corp (P)
Schwarz BioResearch (P)

1,5-DIHYDROXYNAPHTHALENE

►ACETO CHEM CO
Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATONAL ANILINE DIV (P)
►BAIRD CHEM INDUSTRIES, INC
RSA Corp (P)
George Uhe Co

1,6-DIHYDROXYNAPHTHALEN

Aldrich Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
RSA Corp (P)

2,3-DIHYDROXYNAPHTHALENE-6-SODIUM SULFONATE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Fairmount Chem Co (P)
Wallace A Erickson & Co (P)
Industrial Dyestuff Co (P)
Polychemical Labs (P)
Wilson Organic Chem (P)

dl-3-(3,4-DIHYDROXY PHENYL) ALANINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

DIHYDROXYPHTHALOPHENONE see Phenolphthalein

DIIODOHYDROXYQUINOLINE

Browning Chem Corp
Fisher Chem Co
Metalsalts Corp (P)
Millmaster Chem Corp
RSA Corp (P)
Gamma Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)

DIIODOHYDROXYQUINOLINE ARSANILATE

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Metalsalts Corp (P)
RSA Corp (P)

DIIODOMETHANE see Methylene Iodide

1,3-DIIODOPROPANE see Trimethylene Diiodide

DIIODOTYROSINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Fairmount Chem Co (P)
Pfanstiehl Labs
RSA Corp (P)
Polychemical Labs (P)

DIISOBUTYL ADIPATE

►EASTMAN CHEM PRODUCTS (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Stoney-Mueller, Inc
►WILSON-MARTIN (DIV WILSON & CO) (P)
Deecy Products Co (P)
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FMC Corp, Chems & Plastics Div (P)

DIISOBUTYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)

DIISOBUTYL AZELATE

Emery Industries (P)
Kessler Chem Co (P)
C P Hall Co (P)

DIISOBUTYL CARBINOL see 2,6-Dimethyl-4-Heptanol

DIISOBUTYLENES

Falick Chem Corp
Phillips Petroleum Co, Special Products Div (P)
Atlantic Refining Co (P)
Petro-Tex Chem Corp (P)
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American Mineral Spirits Co
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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

DIISOBUTYL PHTHALATE

American Mineral Spirits Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hatco Chem Div (P)
Mercury Chem Corp (P)
Stoney-Mueller, Inc
National Polychems (P)

DIISOBUTYL SUCCINIC ACID ANHYDRIDE

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Carwin Co (P)
►DU PONT, ELASTOMERS DEPT (P)
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Harchem Div, Wallace & Tiernan Inc (P)

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Stoney-Mueller, Inc

Deecy Products Co (P)
FMC Corp, Chems & Plastics Div (P)
Thompson Chem Co (P)
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►R W GREEFF & CO
Harchem Div, Wallace & Tiernan Inc (P)
Harwick Standard Chem Co
Hatco Chem Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CORP (P)
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Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc

Deecy Products Co (P)
FMC Corp, Chems & Plastics Div (P)
Thompson Chem Co (P)
Rubber Corp of America (P)

DIISOOCTYL ADIPATE

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Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Kolker Chem Corp (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc
►WILSON-MARTIN (DIV WILSON & CO) (P)

FMC Corp, Chems & Plastics Div (P)
C P Hall Co (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

DIISOOCTYL AZELATE

Emery Industries (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

Dewey & Almy Chem Div (P)
C P Hall Co (P)

DIISOOCTYLDECYL PHTHALATE

American Mineral Spirits Co
Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Stoney-Mueller, Inc

Deecy Products Co (P)
Montrose Chem Co (P)
Rubber Corp of America (P)

DIISOOCTYL FUMARATE

Hatco Chem Div (P)

Rubber Corp of America (P)

DIISOOCTYL MALEATE

Hatco Chem Div (P)

FMC Corp, Chems & Plastics Div (P)
Rubber Corp of America (P)

DIISOOCTYL PHTHALATE

►ALLIED CHEM CORP, PLASTICS DIV (P)
American Mineral Spirits Co
►BAIRD CHEM INDUSTRIES, INC
Chemical Affiliates (P)
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Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
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FMC Corp, Chems & Plastics Div (P)
Montrose Chem Co (P)
National Polychems (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

DIISOOCTYL SEBACATE

American Mineral Spirits Co
Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc

Rubber Corp of America (P)
C P Hall Co (P)

DIISOPROPANOLAMINE

Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Union Carbide Chems Co (P)

DIISOPROPYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

DIISOPROPYLBENZENE

Dow Chem Co (P)

DIISOPROPYLCARBINOL see 2,4-Dimethyl-3-Pentanol

2,6-DIISOPROPYLPHENOL

Aldrich Chem Co (P)
►ETHYL CORP (P)

1,3-DIISOPROPYLTHIOUREA

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)

DILAURYL MALEATE

Hatco Chem Div (P)

DILAURLYL METHYLAMINE

General Mills, Chem Div (P)

DILUENTS, LACQUER

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►JOHNS-MANVILLE (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Phillips Petroleum Co, Special Products Div (P)
►SINCLAIR PETROCHEMS (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

DIMERCAPROL see 2,3-Dimercaptopropanol

2,3-DIMERCAPTOPROPANOL

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Gane's Chem Works (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
RSA Corp (P)

Kaplop Labs (P)

2,5-DIMETHOXYANILINE

►EASTMAN CHEM PRODUCTS (P)
Nease Chem Co (P)

DIMETHOXYBENZIDINE see Dianisidine

p,p'-DIMETHOXYBENZOIN see Anisoin

p,p'-DIMETHOXYBENZOPHENONE

►R W GREEFF & CO
►TRUBEK LABS (P)

1,2-DIMETHOXYETHANE

Ansul Chem Co (P)
Araphoe Chems (P)
Millmaster Chem Corp

DIMETHOXYETHYL PHTHALATE

►EASTMAN CHEM PRODUCTS (P)
Kessler Chem Co (P)
Stoney-Mueller, Inc

FMC Corp, Chems & Plastics Div (P)

DIMETHOXYMETHANE see Methylal

2,2-DIMETHOXYPROPANE

Dow Chem Co (P)

DIMETHOXY STRYCHNINE see Brucine

DIMETHYLACETAL

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

DIMETHYLACETAMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Eastern Chem Corp (P)
►MONSANTO CHEM CO (P)

Borden Chem Co (P)

DIMETHYLACETONEDICARBOXYLATE

Aldrich Chem Co (P)
Eastern Chem Corp (P)

DIMETHYLACETYLENEDI-CARBOXYLATE

Aldrich Chem Co (P)
Farchan Research Labs (P)

Kaplop Labs (P)

DIMETHYL ADIPATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Hatco Chem Div (P)

Brothers Chem Co (P)

DIMETHYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Pennsalt Chems Corp (P)
Rohm & Haas Co (P)

DIMETHYLAMINE BORANE

Callery Chem Co (P)

p-DIMETHYLAMINOBENZALDEHYDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Fairmount Chem Co (P)
Fine Organics (P)

Andor Labs (P)
Winthrop Labs (P)

DIMETHYLAMINOETHANOL (Dimethyl Ethanolamine)

Miller-Stephenson Chem Co (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

DIMETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE

Aldrich Chem Co (P)
Fisher Chem Co
Philip J Le Bue Co
Merck Chem Co (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)
Nease Chem Co (P)

Barlow Chem Corp (P)
Gamma Chem Corp (P)
Guard Chem Co (P)
Hexagon Labs (P)

(P) Company classifies itself as producer

►See catalog advertisement (Advertisers Index)

(P) Company classifies itself as producer

2-DIMETHYLAMINO-4-HYDROXY-1-METHYL BENZENE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

DIMETHYLAMINOISOPROPYL CHLORIDE HYDROCHLORIDE
Aldrich Chem Co (P)
Philip J LoBue Co
Michigan Chem Corp (P)
Millmaster Chem Corp
Nease Chem Co (P)
Barlow Chem Corp (P) Freeman Industries (P)

1-DIMETHYLAMINO-2-PROPANOL
Pennsalt Chems Corp (P)
Tryion Chems (P)

3-DIMETHYLAMINOPROPYLAMINE
Aldrich Chem Co (P)
Biddle Sawyer Corp
Union Carbide Chems Co (P)

DIMETHYLAMINOPROPYL CHLORIDE HYDROCHLORIDE
Aldrich Chem Co (P)
Michigan Chem Corp (P)
Nease Chem Co (P)
Barlow Chem Corp (P) Freeman Industries (P)

N,N-DIMETHYLANILINE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Brothers Chem Co (P)

HYDANTOIN DERIVATIVES
DIBROMO DIMETHYL HYDANTOIN
Mild brominating agent
DIMETHYL HYDANTOIN (DMH)
DIMETHYL HYDANTOIN FORMALDEHYDE RESIN (DMHF)
Water and alcohol soluble film-former
MONOMETHYLOL DIMETHYL HYDANTOIN (MDMH)
Odorless formaldehyde donor
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Available in commercial quantities.
Send for our Bulletin A.
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CHEMICALS
Division of Chas. L. Huisking & Co., Inc.
417 Fifth Ave., New York 16, N. Y.

DIMETHYL ANTHRANILATE
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Felton Chem Co (P) Shulton Inc (P)
Gamma Chem Corp (P)

DIMETHYLBENZENE see Xylene

DIMETHYLBENZIDINE see Tolidine

2,3-DIMETHYL BUTANE
Phillips Petroleum Co, Special Products Div (P)

DIMETHYL CARBAMYL CHLORIDE
Fisher Chem Co
Gamma Chem Corp (P)

DIMETHYL CARBINOL see Alcohol, Isopropyl

DIMETHYL CARBONATE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
FMC Corp, Chems & Plastics Div (P)

DIMETHYL CYCLOHEXANOLS, MIXED
►BAIRD CHEM INDUSTRIES, INC

2,5-DIMETHYL CYCLOHEXANONE
►BAIRD CHEM INDUSTRIES, INC

DIMETHYL CYCLOHEXYL ADIPATE
Kessler Chem Co (P)

DIMETHYL CYCLOHEXYL PHTHALATE
►BAIRD CHEM INDUSTRIES, INC

DIMETHYLDICHLOROSILANE
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)

DIMETHYLDICHLOROVINYL PHOSPHATE
►R W GREEFF & CO
Montrose Chem Co (P)

DIMETHYLDIETHOXYSILANE
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)

4,4'-DIMETHYL-2,2'-DIPYRIDINE
Rhodia, Inc (P)

DIMETHYL ETHANOLAMINE see Dimethylaminoethanol

DIMETHYLETHYLCARBINOL see Alcohol, tert.-Amyl

DIMETHYL ETHYNYL CARBINOL see 2-Methyl-3-Butyn-2-ol

N,N-DIMETHYL ETHYLENEDIAMINE
Eastern Chem Corp (P)
Millmaster Chem Corp
Ames Labs (P)

α,α-DIMETHYL ETHYLENE OXIDE see Isobutylene Oxide

DIMETHYL FORMAMIDE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Mallinckrodt Chem Works (P)
Brothers Chem Co (P)

DIMETHYL FURAN
Roberts Chems, Inc (P)

DIMETHYL GLYCOL PHTHALATE
Kessler Chem Co (P)

DIMETHYL GLYOXIME (Diacetyldioxime)
►ACETO CHEM CO (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fisher Scientific Co
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)
Andor Labs (P) Premium Chems (P)

2,6-DIMETHYL-4-HEPTANOL (Diisobutyl Carbinol)
Union Carbide Chems Co (P)

2,6-DIMETHYLHEPTENE-3
Phillips Petroleum Co, Special Products Div (P)

2,5-DIMETHYL HEXADIENE-1,5
►BENZOL PRODUCTS CO (P)
Farchan Research Labs (P)

2,5-DIMETHYL HEXADIENE-2,4
►BENZOL PRODUCTS CO (P)
Farchan Research Labs (P)
FMC Corp, Chems & Plastics Div (P)

DIMETHYLHEXANES, MIXED
Phillips Petroleum Co, Special Products Div (P)

DIMETHYL HEXANEDIOL
►AIR REDUCTION CHEM & CARBIDE CO (P)
Wallach-Gracer Export Corp

DIMETHYL HEXYNEDIOL
►AIR REDUCTION CHEM & CARBIDE CO (P)
Farchan Research Labs (P)

DIMETHYL HEXYNOL (3,5-Dimethyl-1-Hexyne-3-ol)
►AIR REDUCTION CHEM & CARBIDE CO (P)
Farchan Research Labs (P)

DIMETHYL HYDANTOIN (Acetony 1 Urea)
Millmaster Chem Corp (P)

DIMETHYL HYDANTOIN FORMALDEHYDE RESIN (DMHF)
Glyco Chems (P)
Beacon Chem Industries (P)

sym-DIMETHYLHYDRAZINE (1,2-Dimethylhydrazine)
Aldrich Chem Co (P)
K & K Labs (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
(P) Company classifies itself as producer

uns-DIMETHYLHYDRAZINE (1,1-Dimethylhydrazine)
Aldrich Chem Co (P)
►COMMERCIAL SOLVENTS CORP (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Olin Mathieson Chem Corp, Industrial Chems (P)

DIMETHYL HYDROGEN PHOSPHITE
Aldrich Chem Co (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

DIMETHYL HYDROQUINONE
Givaudan-Delawanna (P)
►R W GREEFF & CO
Fries Bros (P) Rhodia, Inc (P)

N'-(1,1-DIMETHYL-2-HYDROXYETHYL)-2-METHYL-1,2-PROPANEDIAMINE
►COMMERCIAL SOLVENTS CORP (P)

DIMETHYL ISOPHTHALATE
►R W GREEFF & CO
Montrose Chem Co (P)

DIMETHYLKETONE see Acetone

DIMETHYL MALONATE
►KAY-FRIES CHEMS (P)
Var-Lac-Old Chem Co (P)

DIMETHYL NAPHTHALENES
Aldrich Chem Co (P)
Reilly Tar & Chem Corp (P)

DIMETHYL OCTANEDIOL
►AIR REDUCTION CHEM & CARBIDE CO (P)

DIMETHYL OCTANOL
►AIR REDUCTION CHEM & CARBIDE CO (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)

DIMETHYL OCTYNEDIOL
►AIR REDUCTION CHEM & CARBIDE CO (P)
Aldrich Chem Co (P)
Farchan Research Labs (P)

DIMETHYLOL UREA
Hart Products Corp (P) Warwick Chem Div (P)

DIMETHYL PENTANES
Phillips Petroleum Co, Special Products Div (P)

DIMETHYLPHENOLS see Xylenols

DIMETHYL PHTHALATE (Methyl Phthalate)
►ALLIED CHEM CORP, PLASTICS DIV (P)
American Mineral Spirits Co
Chemical Affiliates (P)
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
Fritzsche Bros
Hatco Chem Div (P)
Howe & French
►JONES CHEMS, INC
►KAY-FRIES CHEMS (P)
Kolker Chem Corp (P)
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Reichhold Chems, Inc (P)

2,5-DIMETHYL PIPERAZINE (cis- and trans-Isomers)
Aldrich Chem Co (P)
►WYANDOTTE CHEMS CORP (P)

2,6-DIMETHYL PIPERIDINE
Aldrich Chem Co (P)
Reilly Tar & Chem Corp (P)

2,5-DIMETHYLPYRAZINE
Aldrich Chem Co (P)
►WYANDOTTE CHEMS CORP (P)

DIMETHYL PYRIDINE see Lutidine

DIMETHYL RESORCINOLS
►R W GREEFF & CO

DIMETHYL SEBACATE
Fallek Chem Corp
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)

DIMETHYL SULFATE (Methyl Sulfate)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)

DIMETHYL SULFIDE see Methyl Sulfide

DIMETHYL SULFOXIDE
Aldrich Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Wallach-Gracer Export Corp
Crown Zellerbach Corp (P)

DIMETHYL TEREPHTHALATE
Amoco Chems Corp (P)
►DU PONT, EXPLOSIVES DEPT (P)
Hercules Powder Co (P)
Oronite Div (P)

N,N-DIMETHYL-p-TOLUIDINE
Distillation Products Industries (P)
RSA Corp (P)
Sartomer Resins, Inc (P)
Borden Chem Co (P) Wallace A Erickson & Co (P)

N,N-DIMETHYLUREA
Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp

1-3-DIMETHYLXANTHINE see Theophylline

3.7-DIMETHYLXANTHINE see THEOBROMINE

DINAPHTHYLENETHIOPHENE
Aldrich Chem Co (P)

2,4-DINITROANILINE
►ACETO CHEM CO
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

2,4-DINITROANISOLE (m-Dinitroanisole)
Fine Organics (P)
Verona-Pharma Chem Corp (P)

m-DINITROBENZENE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
(Continued)

DMSO
O
‖
CH_3-S-CH_3
DIMETHYL SULFOXIDE
CH_3-S-CH_3
DIMETHYL SULFIDE
DMS
AMINES
ORGANOSULFUR COMPOUNDS
MOLD RELEASE AGENTS, WAXES, POLISHES AND OTHER INDUSTRIAL SPECIALTY PRODUCTS
WALLACH-GRACER
EXPORT CORPORATION
MANUFACTURERS REPRESENTATIVES
EMPIRE STATE BUILDING
NEW YORK 1, N. Y.
Telephone: LOngacre 4-5490
CABLE ADDRESS: WALGRAY

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

m-DINITROBENZENE (continued)

Fisher Scientic Co (P)
Wallach-Gracer Export Corp

Clinical Chems Corp (P)

o-DINITROBENZENE

Aldrich Chem Co (P)

3,5-DINITROBENZOYL CHLORIDE

►ACETO CHEM CO
Eastern Chem Corp (P)
RSA Corp (P)

Freeman Industries (P)

2,4-DINITROCHLOROBENZENE (Dinitrochlorobenzol)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

2,4-DINITROPHENOL (α-Dinitrophenol)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Fisher Scientific Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
George Uhe Co

2,4-DINITROPHENYLHYDRAZINE

Aero Chem Corp (P)
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fine Organics (P)

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Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Greensboro, N. C.—BRoadway 5-9517
Houston, Texas—JAckson 6-3981
Kansas City, Mo.—LOgan 1-7268
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—ORegon 9-1820
Philadelphia (Fort Washington), Pa.—CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
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San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif.—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—EMpire 3-3943

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Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

4,4′-DINITROSTILBENE-2,2′-DISODIUM SULFONATE

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

2,4-DINITROTOLUENE (Dinitrotoluol)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

DINITROTOLUENES, MIXED

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

DINONYL ADIPATE

Kessler Chem Co (P)

DINONYL PHENOL

Antara Chems Div (P)

DINONYL PHTHALATE

Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

Deecy Products Co

DIOCTYL ADIPATE

►ALLIED CHEM CORP, PLASTICS DIV (P)
Columbian Carbon Co
DeMert & Dougherty, Inc
Harwick Standard Chem Co
Hatco Chem Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
J U Starkweather Co
►WILSON-MARTIN (DIV WILSON & CO) (P)

Deecy Products Co (P)
B F Goodrich Chem Co (P)
C P Hall Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

DIOCTYL AZELATE

Columbian Carbon Co
DeMert & Dougherty, Inc
Emery Industries (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

Deecy Products Co (P)
C P Hall Co (P)

p,p′-DIOCTYL DIPHENYLAMINE

Naugatuck Chem Div (P)

DIOCTYL FUMARATE

Hatco Chem Div (P)

Rubber Corp of America (P)
National Polychems (P)
Reichhold Chems, Inc (P)
Thompson Chem Co (P)

DI-n-OCTYL PHTHALATE

Harchem Div, Wallace & Tiernan Inc (P)
Kessler Chem Co (P)
Lotte Chem Corp
Mercury Chem Corp (P)
►McKESSON & ROBBINS, CHEM DEPT
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Sherwin-Williams Co (P)
Stoney-Mueller, Inc
►WITCO CHEM CO (P)

FMC Corp, Chems & Plastics Div (P)
National Polychems (P)
Thompson Chem Co (P)

DI-tert.-OCTYL POLYSULFIDE

Phillips Petroleum Co, Special Products Div (P)

DIOCTYL SEBACATE

Columbian Carbon Co
Fallek Chem Corp
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc

Deecy Products Co (P)
C P Hall Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)

DIOCTYL SODIUM SULFOSUCCINATE

American Cyanamid Co, Fine Chems Dept (P)
Hart Products Corp (P)
Mona Industries (P)

1,4-DIOXANE (Dioxane, Diethylene Dioxide)

►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Fisher Scientific Co (P)
Howe & French
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

DIPENTAERYTHRITOL (Dipentaerythrite)

Heyden Newport Chem Corp (P)
Trojan Powder Co (P)

DIPENTENE (Terpene, Cinene, Limonene)

Arizona Chem Co (P)
Fritzsche Bros
Harwick Standard Chem Co
►PEERLESS OIL & CHEM CORP

Dixie Pine Products Co (P)

DIPERODON HYDROCHLORIDE

►S B PENICK & CO, NYQ CHEM DIV (P)

DIPHENYL (Biphenyl, Phenyl Benzene)

►BAIRD CHEM INDUSTRIES, INC
►MONSANTO CHEM CO (P)

Signal Oil & Gas Co (P)

DIPHENYL, CHLORINATED

►MONSANTO CHEM CO (P)

Hexagon Labs (P)

DIPHENYLACETONE

Givaudan-Delawanna (P)
►TRUBEK LABS (P)

Hexagon Labs (P)

DIPHENYLACETONITRILE

►ACETO CHEM CO
Fisher Chem Co
►KAY-FRIES CHEMS (P)

Gamma Chem Corp (P)
Winthrop Labs (P)

DIPHENYLACETYLENE (Tolan)

Farchan Research Labs (P)
K & K Labs (P)

Kaplop Labs (P)
Pilot Chems, Inc (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

DIPHENYLAMINE (Phenylaniline)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, EXPLOSIVES DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)

DIPHENYLAMINE SULFATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

DIPHENYLBENZIDINE

Eastern Chem Corp (P)
American Gilsonite Co (P) Brothers Chem Co (P)

DIPHENYLCARBAZIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Eastern Chem Corp (P)
Andor Labs (P) Brothers Chem Co (P)

DIPHENYLCARBAZONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Eastern Chem Corp (P)
Andor Labs (P) Brothers Chem Co (P)

DIPHENYL CARBONATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Millmaster Chem Corp (P)
FMC Corp, Chems & Plastics Div (P)

DIPHENYLDECYL PHOSPHITE

►HOOKER CHEM CORP, PHOSPHOROUS DIV (P)

DIPHENYLDICHLOROSILANE

Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)

DIPHENYL DISULFIDE

Aldrich Chem Co (P)
►EVANS CHEMETICS (P)

DIPHENYLETHYL SULFIDE (Diphenyldiethyl Sulfide)

Phillips Petroleum Co, Special Products Div (P)

DIPHENYLGUANIDINE (Melaniline, D. P. G. Salt)

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►MONSANTO CHEM CO (P)
George Uhe Co

DIPHENYLHYDANTOIN

Millmaster Chem Corp (P)
Clinical Chems Corp (P) Polychemical Labs (P)

DIPHENYLHYDANTOIN SODIUM

►R W GREEFF & CO
Clinical Chems Corp (P) Polychemical Labs (P)

DIPHENYL HYDROGEN PHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

DIPHENYL KETONE see Benzephenone

DIPHENYLMETHANE (Methylenediphenyl, Benzylbenzene)

Fritzsche Bros
Givaudan-Delawanna (P)
►TRUBEK LABS (P)

2,5-DIPHENYLOXAZOLE

Aldrich Chem Co (P)
Arapahoe Chems (P)
K & K Labs (P)
Millmaster Chem Corp (P)
Pilot Chems, Inc (P)

DIPHENYL OXIDE

Dow Chem Co (P)
Fritzsche Bros
Givaudan-Delawanna (P)
Felton Chem Co (P) Schimmel & Co (P)

DIPHENYL PHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►VICTOR CHEM WORKS (P)

DIPHENYL PHTHALATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►MONSANTO CHEM CO (P)

DIPHENYLTHIOCARBAZONE

►ACETO CHEM CO
Distillation Products Industries (P)
Eastern Chem Corp (P)
Brothers Chem Co (P)

N,N′-DIPHENYLTHIOUREA see Thiocarbanilide

N,N′-DIPHENYLUREA see Carbanilide

DIPPEL see Oil, Bone

DI-n-PROPYLAMINE

Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp

DI-n-PROPYL CARBONATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

DIPROPYLENE GLYCOL

American Mineral Spirits Co
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Fallek Chem Corp
Howe & French
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
E & F King & Co
►MODERN SOLVENTS & CHEMS CORP
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Schelle Chem Corp
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

DIPROPYLENE GLYCOL DIBENZOATE

►TENNESSEE PRODUCTS & CHEM CORP (P)

DIPROPYLENE GLYCOL DIPELARGONATE

Emery Industries (P)
Kessler Chem Co (P)

DIPROPYLENE GLYCOL ESTERS

Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►WITCO CHEM CO (P)
Colgate-Palmolive Co (P) C P Hall Co (P)
Emkay Chem Co (P) Hodag Chem Corp (P)

DIPROPYLENE GLYCOL MONOSALICYLATE

Colgate-Palmolive Co (P)

DIPROPYLENE GLYCOL MONOSTEARATE

Kessler Chem Co (P)
►WITCO CHEM CO (P)
Emkay Chem Co (P) Hodag Chem Corp (P)
C P Hall Co (P)

DI-n-PROPYL KETONE (Butyrone)

Florasynth Labs
K & K Labs (P)
Freeman Industries (P)

DI-n-PROPYL MALEATE

K & K Labs (P)
RSA Corp (P)

DIPROPYLMETHANE see Heptane

2,2′-DIPYRIDYL (2,2′-Bipyridyl, 2,2′-Bipyridine)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Fisher Scientific Co
K & K Labs (P)
RSA Corp (P)
Brothers Chem Co (P) Edcan Labs (P)

2,2'-DIPYRIDYL FERROUS SULFATE

RSA Corp (P)

Glogau & Co (P)

DIPYRONE

Gane's Chem Works (P)
►R W GREEFF & CO
Henley & Co
RSA Corp (P)

Polychemical Labs (P) Winthrop Labs (P)

2,2'-DIQUINOLINE

Aldrich Chem Co (P)
K & K Labs (P)
RSA Corp (P)

DISCHARGE AGENTS see Strippers, Textile

DISCHARGE LAKE R see p-Nitroaniline, Red

DISINFECTANT BASES

Antara Chems Div (P)
Fine Organics (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
M Michel & Co (P)
►ONYX CHEM CORP (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Tar Residuals
Trio Chem Works (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)

Chicago Sanitary Products Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
Franklin Oil Corp (P)
Fuld Bros (P)



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MARINETTE, WISCONSIN

Guardian Chem Corp (P)
Heyden Newport Chem Corp (P)
Norton Chem Works (P)
Stepan Chem Co, Industrial Chems Div (P)

DISINFECTANTS, ANIMAL

Fine Organics (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Trio Chem Works (P)

Alpine Aromatics (P)
Amalgamated Chem Corp (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
B R Elk & Co (P)
Franklin Oil Corp (P)
Guardian Chem Corp (P)
Industrial Materials Co (P)
Kaysing Corp (P)
Norton Chem Works (P)
Whitmoyer Labs (P)

DISINFECTANTS, COAL TAR

Fine Organics (P)
Rohm & Haas Co (P)
Thompson-Hayward Chem Co (P)
Trio Chem Works (P)

Ampion Corp (P)
Arol Chem Products (P)
Chemical Compounding Corp (P)
Clarkson Labs (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Franklin Oil Corp (P)
Guardian Chem Corp (P)
Industrial Materials Co (P)
Uncle Sam Chem Co (P)
Whitmoyer Labs (P)

DISINFECTANTS, INDUSTRIAL

Antara Chems Div (P)
Fine Organics (P)
Intex Chem Corp (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
Pennsalt Chems Corp (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Thompson-Hayward Chem Co (P)
Treplow Chem Co (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)
Vaichem (P)
Washine Chem Corp (P)
►WYANDOTTE CHEMS CORP (P)

Alpine Aromatics (P)
Ampion Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Chemical Compounding Corp (P)
Chicago Sanitary Products Co (P)
Clarkson Labs (P)
Columbia Wax Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
B R Elk & Co (P)
Franklin Oil Corp (P)
Fuld Bros (P)
Guardian Chem Corp (P)
Hagan Chems & Controls (P)
Heyden Newport Chem Corp (P)
Industrial Materials Co (P)
Kaysing Corp (P)
Lorenz Chem Co (P)
Norton Chems Works (P)
Oakite Products (P)
Oil-Kraft, Inc (P)
Solvit Chem Co (P)
Uncle Sam Chem Co (P)
Wallerstein Co (P)
Warwick Chem Div (P)
Whitmoyer Labs (P)
Woodbury Chem Co (P)

DISINFECTANTS, SOIL

Antara Chems Div (P)
W A Cleary Corp (P)
Dow Chem Co (P)
Fine Organics (P)
Metalsalts Corp (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)
Trio Chem Works (P)

Crowley Tar Products Co (P)
Norton Chem Works (P)
Heyden Newport Chem Corp (P)
Triangle Chem Co (P)

DISODIUM DIHYDROGEN PYROPHOSPHATE see Sodium Acid Pyrophosphate

DISODIUM DIHYDROXYBENZENE DISULFONATE

Eastern Chem Corp (P)

Winthrop Labs (P)

DISODIUM ETHYLENE BIS-DITHIOCARBAMATE

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
Roberts Chems, Inc (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)

DISODIUM ETHYLENEDIAMINE TETRAACETATE, DIHYDRATE

City Chem Corp
Fallek Chem Corp
Fisher Scientific Co
Mallinckrodt Chem Works (P)

Bio-Rad Labs (P) A R Maas Chem Co Div (P)

DISODIUM METHYLARSENATE (Arrhenal; Sodium Methylarsenate; Methanearsonic Acid, Disodium Salt)

Ansul Chem Co (P)
City Chem Corp

Arenol Chem Corp (P)
Norton Chem Works (P)
Polychemical Labs (P)

DISODIUM PHENYL PHOSPHATE

City Chem Corp
Eastern Chem Corp (P)

Matheson Coleman & Bell (P)

DISPERSING AGENTS, CEMENT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Esso Standard Oil (P)
►JOHNS-MANVILLE (P)
Maher Color & Chem Co (P)
M Michel & Co
►MONSANTO CHEM CO (P)
Patent Chems (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
►VICTOR CHEM WORKS (P)

Adhesive Products Corp (P)
Colgate-Palmolive Co (P)
Consolidated Water Power & Paper Co (P)
Continental Chem Co (P)
Crown Zellerbach Corp (P)
Dewey & Almy Chem Div (P)
Essential Chem Co (P)
A R Maas Chem Co Div (P)
Marathon Div (P)
Mona Industries (P)
Pilot Chem Co of California (P)
Process Chem Specialties (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Sandoz, Inc (P)
Seaboard Chems (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
W Va Pulp & Paper Co, Polychems Div (P)
Jacques Wolf & Co (P)

DISPERSING AGENTS, LEATHER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Geigy Dyestuffs Div (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Colgate-Palmolive Co (P)
Continental Chem Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Lestoil Products (P)
Marathon Div (P)
Mona Industries (P)
Process Chem Specialties (P)
Procter & Gamble Co (P)
Sandoz, Inc (P)
Seaboard Chems (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
Warwick Chem Div (P)
Wye Industries (P)

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See company directory for addresses

DISPERSING AGENTS, PAPER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
Glyco Chems (P)
►JOHNS-MANVILLE (P)
Metalsalts Corp (P)
M Michel & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PHILADELPHIA QUARTZ CO
Rohm & Haas Co (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co (P)
Union Carbide Chems Co (P)
Vaichem (P)
►VICTOR CHEM WORKS (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
Dewey & Almy Chem Div (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Essential Chem Co (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Kenite Corp (P)
Lestoil Products (P)
Marathon Div (P)
Mona Industries (P)
New York Color & Chem Co (P)
Pilot Chem Co of California (P)
Process Chem Specialties (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Sandoz, Inc (P)
Socony Mobil Oil Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
Titan Chem Products (P)
Wica Chems (P)
Wye Industries (P)

DISPERSING AGENTS, PIGMENT

►AIR REDUCTION CHEM & CARBIDE CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Baker Castor Oil Co (P)
►COMMERCIAL SOLVENTS CORP (P)
►CONTINENTAL OIL CO (P)
Esso Standard Oil (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
General Elec Co, Silicone Products (P)
General Mills, Chem Div (P)
General Mills, Specialty Products Div (P)
Glyco Chems (P)
►JOHNS-MANVILLE (P)
Maher Color & Chem Co (P)
Mallinckrodt Chem Works (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
Patent Chems (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
Smith Chem & Color (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems, Inc (P)
Tamms Industries
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
►VICTOR CHEM WORKS (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Advance Solvents & Chem Div (P)
American Alcolac Corp (P)
American Lecithin Co (P)
Arnold, Hoffman & Co (P)
Borden Chem Co (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Consolidated Water Power & Paper Co (P)
Continental Chem Co (P)
Crown Zellerbach Corp (P)
Dewey & Almy Chem Div (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Foremost Food & Chem Chem Co (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Kenrich Petrochems (P)
Marathon Div (P)
Mona Industries (P)
Nalco Chem Co (P)
Pennsylvania Refining Co (P)
Pilot Chem Co of California (P)
Process Chem Specialties (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Raybo Chem Co (P)
Sandoz, Inc (P)
Scher Bros (P)
Seaboard Chems (P)
A E Staley Mfg Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
Troy Chem Co (P)
U B S Chem Corp (P)
R T Vanderbilt Co (P)
W Va Pulp & Paper Co, Polychems Div (P)
Wica Chems (P)

DISPERSING AGENTS, RUBBER

Acton Labs (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Antara Chems Div (P)
Baker Castor Oil Co (P)
►DU PONT, ELASTOMERS DEPT (P)
Esso Standard Oil (P)
Glyco Chems (P)
Harwick Standard Chem Co
►JEFFERSON CHEM CO (P)
►JOHNS-MANVILLE (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rohm & Haas Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Adhesive Products Corp (P)
Continental Chem Co (P)
Crown Zellerbach Corp (P)
Dewey & Almy Chem Div (P)
E F Drew & Co (P)
C P Hall Co (P)
Kenrich Petrochems (P)
Marathon Div (P)
Mona Industries (P)
National Polychems (P)
Pilot Chem Co of California (P)
Process Chem Specialties (P)
Seaboard Chems (P)
Stepan Chem Co, Industrial Chems Div (P)
R T Vanderbilt Co (P)
Wica Chems (P)
Wye Industries (P)

DISPERSING AGENTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Concord Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
Glyco Chems
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)

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Rohm & Haas Co (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)
Union Carbide Chems Co (P)
Valchem (P)
Verona-Pharma Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
American Alcolac Corp (P)
Arnold, Hoffman & Co
Arol Chem Products (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
Crown Chem Corp (P)
Dewey & Almy Chem Div (P)
E F Drew & Co (P)
DuBois Co (P)
Eastern Color & Chem (P)
Emkay Chem Co (P)
Essential Chems Co (P)
Fabric Chem Co (P)
W F Fancourt Co (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Lestoil Products (P)
Marlowe-Van Loan Corp (P)
Marathon Div (P)
Mona Industries (P)
Morningstar-Paisley (P)
Pilot Chem Co of California (P)
Process Chem Specialties (P)
Procter & Gamble Co (P)
Royce Chem Co (P)
Sandoz, Inc (P)
Scher Bros (P)
Scholler Bros (P)
A E Staley Mfg Co (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
R T Vanderbilt Co (P)
Warwick Chem Div (P)
W Va Pulp & Paper Co, Polychems Div (P)
Wica Chems (P)
Wye Industries (P)

DISPERSIONS, NATURAL RESIN & GUM

H Kohnstamm & Co (P)
►NOPCO CHEM CO (P)
Rohm & Haas Co (P)
Stein Hall & Co (P)

Adhesive Products Corp (P)
Acheson Colloids Co (P)
Crown Chem Corp (P)
Joy Chem Inc (P)
Major Chem & Latex Corp (P)
Mona Industries (P)
Morningstar-Paisley, Inc (P)
Naugatuck Chem Div (P)
Pyroxylin Products (P)
Reichhold Chems, Inc (P)
Scher Bros (P)
Wica Chems (P)

DISPERSIONS, PIGMENT see Pigment Dispersions

DISPERSIONS, SYNTHETIC RESIN

►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Maher Color & Chem Co (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Pennotex Oil Corp (P)
Pennsylvania Industrial Chem Corp (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)

Acheson Colloids Co (P)
Adhesive Products Corp (P)
American Alkyd Industries of Cal (P)
Axel Plastics Research Labs (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Colloids, Inc (P)
Clarkson Labs (P)
Dewey & Almy Chem Div (P)
Emkay Chem Co (P)
Firestone Plastics Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
E F Houghton & Co (P)
Industrial Chem Specialties (P)
Major Chem & Latex Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Morningstar-Paisley (P)
National Polychems (P)
National Starch & Chem Corp (P)
Naugatuck Chem Div (P)
Polyvinyl Chems (P)
Process Chem Specialties (P)
Pyroxylin Products (P)
Reynolds Chem Products Co (P)
Rubber Corp of America (P)
Scholler Bros (P)
U B S Chem Corp (P)
Wica Chems (P)

DITHIOCARBAMATES

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
Fisher Scientific Co
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Wood Ridge Chem Corp (P)

Chemical Insecticide Corp (P)
Naugatuck Chem Div (P)
Polychemical Labs (P)

DITHIOOXAMIDE

Aldrich Chem Co (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)

Andor Labs (P)

1,1-DITOLYLETHANE

K & K Labs (P)

DI-o-TOLYLGUANIDINE

►DU PONT, DYES & CHEMS DIV (P)

DIURETIN see Theobromine Sodium Salicylate

DIVINYL see Butadiene

DIVINYLBENZENES, MIXED

Dow Chem Co (P)
Fallek Chem Corp

n-DOCOSANE

►HUMPHREY-WILKINSON (P)

DODECANOYL PEROXIDE see Lauroyl Peroxide

DODECANE

►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)

Archer-Daniels-Midland Co (P)

1-DODECENE

Aldrich Chem Co (P)
Farchan Research Labs (P)
►HUMPHREY-WILKINSON (P)

Archer-Daniels-Midland Co (P)

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►HUMPHREY-WILKINSON (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)

tert.-DODECYLAMINE

General Mills, Chem Div (P)
►MONSANTO CHEM CO (P)

DODECYLBENZENE

►BAIRD CHEM INDUSTRIES, INC
►CONTINENTAL OIL CO (P)
►MONSANTO CHEM CO (P)
Oronite Div (P)
Tar Residuals

Atlantic Refining Co (P)
Signal Oil & Gas Co (P)
Eastern States Petroleum & Chem Corp (P)

DODECYLBENZYL CHLORIDE

►CONTINENTAL OIL CO (P)

p-DODECYL BENZYL TRIMETHYL AMMONIUM CHLORIDE

Intex Chem Corp (P)
Treplow Chem Co (P)

Barlow Chem Corp (P)

n-DODECYL HALIDES see corresponding Lauryl Halide

n-DODECYL MERCAPTAN

Aldrich Chem Co (P)
►HOOKER CHEM CORP (P)
►HUMPHREY-WILKINSON (P)
Pennsalt Chems Corp (P)

Naugatuck Chem Div (P)

tert.-DODECYL MERCAPTAN

Phillips Petroleum Co, Special Products Div (P)

DODECYL MERCAPTANS, MIXED see Lauryl Mercaptan

DODECYL PHENOL

Antara Chems Div (P)
Oronite Div (P)
Rohm & Haas Co (P)

DODECYLTRICHLOROSILANE

Dow Corning Corp (P)

DOLOMITE (Bitter Spar, Brown Spar, Rhombic Spar)

►MINERALS & CHEMS PHILIPP CORP (P)
Smith Chem & Color Co (P)
Tamms Industries

G & W H Corson, Inc (P)
Gibsonburg Lime Products Co (P)
Kaiser Refractories & Chems Div (P)
Landers-Segal Color Co (P)
Marblehead Lime Co (P)
H E Millard Lime & Stone Co (P)
Moores Lime Co (P)
National Gypsum Co (P)
Ohio Lime Co (P)
Warner Co (P)

DOLOMOL see Magnesium Stearate

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Philip A Hunt Co (P)

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►HARSHAW CHEM CO (P)
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Smith Chem & Color Co
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
General Metallic Oxides Co (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

DRIERS, PRINTING INK

Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
American Lithographic Varnish Co (P)
California Ink Co (P)
Fred'k H Levey Co (P)
General Metallic Oxides Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

DRILLING MUD CONDITIONERS

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Columbia-Southern Chem Corp (P)
Diamond Alkali Co (P)
►DU PONT, EXPLOSIVES DEPT (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
H Kohnstamm & Co (P)
Meer Corp (P)
M Michel & Co
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
National Lead Co (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
►PHILADELPHIA QUARTZ CO (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Archer-Daniels-Midland Co (P)
Baroid Div, National Lead Co (P)
Crown Zellerbach Corp (P)
Hagan Chems & Controls (P)
Kenite Corp (P)
Marathon Div (P)
Magnet Cove Barium Corp (P)
Morningstar-Paisley, Inc (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Wye Industries (P)

DROP BLACK (Frankfort Black)

Columbian Carbon Co (P)
Smith Chem & Color Co (P)

DRUG EXTRACTS, CRUDE

►McKESSON & ROBBINS, CHEM DEPT
Meer Corp (P)
►S B PENICK & CO (P)

Dewey & Almy Chem Div (P)

DRUGS, BOTANICAL

Armour Labs (P)
Meer Corp (P)
►S B PENICK & CO

Hathaway Allied Products (P)
Prentiss Drug & Chem Co (P)

DRUGS, CRUDE

►S B PENICK & CO

Belle Chem Co (P)
Hathaway Allied Products (P)
Continental Chem Co (P)
Prentiss Drug & Chem Co (P)

DRY ICE see Carbon Dioxide

DULCIN (Sucrol, p-Phenetolcarbamide, 4-Ethyl-Phenylurea, Valzin)

Fairmount Chem Co (P)
RSA Corp (P)

Polychemical Labs (P)

DUOTAL see Guaiacol Carbonate

DURENE (sym-Tetramethylbenzene)

Aldrich Chem Co (P)
City Chem Corp
►EASTMAN CHEM CO (P)
►SINCLAIR PETROCHEMS (P)

Edcan Labs (P)

DUST LAYERS

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Dow Chem Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Thompson-Hayward Chem Co
►WYANDOTTE CHEMS CORP (P)

Britex Corp (P)
Consolidated Water Power & Paper Co (P)
Crown Zellerbach Corp (P)
Marathon Div (P)
Mona Industries (P)

DUSTING POWDERS, AGRICULTURAL

American Colloid Co (P)
►AMERICAN POTASH & CHEM CORP (P)
H J Baker & Bro
Diamond Alkali Co (P)
Dow Chem Co (P)
Metalsalts Corp (P)
Pennsalt Chems Corp (P)
Rohm & Haas Co (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)

Kenite Corp (P)
Los Angeles Chem Co (P)
Miller Products Co (P)
Prentiss Drug & Chem Co (P)
Tamms Industries (P)
Triangle Chem Co (P)
United-Heckathorn (P)
R T Vanderbilt Co (P)

DYE ASSISTANTS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Concord Chem Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►EASTMAN CHEM PRODUCTS (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS DIV (P)
Union Carbide Chems Co (P)
Vaichem (P)
Verona-Pharma Chem Corp (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
Colgate-Palmolive Co (P)
Continental Chem Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
W F Fancourt Co (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
Joy Chem Inc (P)
Marathon Div (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Poughkeepsie Dyestuff Corp (P)
Procter & Gamble Co (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
W Va Pulp & Paper Co, Polychems Div (P)
Wica Chems (P)

DYE ASSISTANTS, SYNTHETIC FIBERS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Concord Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►EASTMAN CHEM PRODUCTS (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Geigy Dyestuffs Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rumford Chem Works (P)
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co (P)
Union Carbide Corp, Silicones Div (P)
Vaichem (P)
Verona-Pharma Chem Corp (P)
Wallach-Gracer Export Corp
►WYANDOTTE CHEMS CORP (P)

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DYE ASSISTANTS, SYNTHETIC FIBERS (continued)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
Colgate-Palmolive Co (P)
Continental Chem Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
W F Fancourt Co (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
Marathon Div (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Procter & Gamble Co (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
W Va Pulp & Paper Co, Polychems Div (P)
Wica Chems (P)

DYE INTERMEDIATES

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Carwin Co (P)
Chemical Affiliates (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
Filo Color & Chem Corp (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)
Joseph Turner & Co (P)
Union Carbide Chems Co (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Ben Venue Labs (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Crescent Chem Co (P)
Heyden Newport Chem Corp (P)
Fred'k H Levey Co (P)
Matheson Coleman & Bell (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Pfister Chem Works (P)
Premium Chems (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)

DYES, ACETATE see Dyes, Disperse

DYES, ACID

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Fairmount Chem Co (P)
Filo Color & Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
►METAL & THERMIT CORP (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Matheson Coleman & Bell (P)
New York Color & Chem Co (P)
Passaic Color & Chem (P)
Peerless Color Co (P)
Poughkeepsie Dyestuff Corp (P)
Premium Chems (P)
Sandoz, Inc (P)

DYES, AZOIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Chemical Affiliates (P)
Filo Color & Chem Co

Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Pylam Products Co (P)
H P Rossiger & Co
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Crescent Chem Co (P)
Otto B May (P)
Matheson Coleman & Bell (P)
Pfister Chem Works (P)
Poughkeepsie Dyestuff Corp (P)
Premium Chems (P)
Sandoz, Inc (P)

DYES, BASIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Filo Color & Chem Co (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
H P Rossiger & Co
Verona-Pharma Chem Corp (P)

Berkshire Color & Chem Corp (P)
Ciba Co (P)
Dye Specialties (P)
Matheson Coleman & Bell (P)
Otto B May (P)
New York Color & Chem Co (P)
Passaic Color & Chem Co (P)
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DYES, CERTIFIED see Colors, Certified

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DYES, CHROME see Dyes, Mordant

DYES, COTTON see Dyes: Azoic, Direct, Sulfur and Vat

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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Filo Color & Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
H P Rossiger & Co
Verona-Pharma Chem Corp (P)

Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Interchem Corp, Color & Chems Div (P)
Matheson Coleman & Bell (P)
New York Color & Chem Co (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Poughkeepsie Dyestuff Corp (P)
Sandoz, Inc (P)

DYES, DISPERSE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
►EASTMAN CHEM PRODUCTS (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Belle Chem Co (P)
Ciba Co (P)
Interchem Corp, Color & Chems Div (P)
Peerless Color Co (P)
Poughkeepsie Dyestuff Corp (P)
Sandoz, Inc (P)
W Va Pulp & Paper Co, Polychems Div (P)

DYES, FELT see Dyes, Acid

DYES, FLUORESCENT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Collway Pigments (P)
Filo Color & Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Patent Chems (P)
Pylam Products Co (P)

Belle Chem Co (P)
Carlisle Chem Works (P)
Fiber Chem Corp (P)
Matheson Coleman & Bell (P)
Sandoz, Inc (P)

DYES, FUR

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
Filo Color & Chem Corp
General Dyestuff Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Mallinckrodt Chem Works (P)
Pylam Products Co (P)

Belle Chem Co (P)
Ciba Co (P)
Sandoz, Inc (P)

DYES, GASOLINE & Oil see Dyes, Petroleum

DYES, LACQUER & VARNISH

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
American Cyanamid Co, Pigments Div (P)
W A Cleary Corp (P)
Collway Pigments (P)
Filo Color & Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Patent Chems (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Belle Chem Co (P)
Ciba Co (P)
Dye Specialties (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
R & A Leather Finish Co (P)
United Lacquer Mfg Corp (P)

DYES, LEATHER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Filo Color & Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
B B Chem Co (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Peerless Color Co (P)
New York Color & Chem Co (P)
Poughkeepsie Dyestuff Corp (P)
R & A Leather Finish Co (P)
Sandoz, Inc (P)

DYES, METALLIZED see Dyes, Acid

DYES, MIXED FIBERS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Interchem Corp, Color & Chems Div (P)
Otto B May (P)
Peerless Color Co (P)
Sandoz, Inc (P)

DYES, MORDANT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
H P Rossiger & Co (P)
Verona-Pharma Chem Corp (P)

Atlantic Chem Corp (P)
Belle Chem Co (P)
Ciba Co (P)
Matheson Coleman & Bell (P)
Otto B May (P)
Poughkeepsie Dyestuff Corp (P)
Sandoz, Inc (P)

DYES, NAPHTHOL AS TYPES see Dyes, Azoic

DYES, NATURAL

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►HARSHAW CHEM CO (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Dye Specialties (P)
Kalamazoo Spice Extraction Co (P)
Otto B May (P)
New York Color & Chem Co (P)

DYES, NYLON see Dyes, Synthetic Fibers

DYES, OIL-SOLUBLE

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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Cyanamid Co, Pigments Div (P)
Collway Pigments (P)
►THE COLOR
Fritzsche Bros
General Dyestuff Co (P)
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Maher Color & Chem Co (P)
Patent Chems (P)
Pylam Products Co (P)
Thompson-Hayward Chem Co
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Ciba Co (P)
Dye Specialities (P)
Kalamazoo Spice Extraction Co (P)
Matheson Coleman & Bell (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Sandoz, Inc (P)

DYES, PAPER

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Cabot Corp (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Dye Specialties (P)
C Lever Co (P)
New York Color & Chem Co (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Sandoz, Inc (P)

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DYES, PETROLEUM

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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Collway Pigments (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
►ETHYL CORP
General Dyestuff Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Patent Chems (P)
Pylam Products Co (P)
H P Rossiger & Co
Verona-Pharma Chem Corp (P)
Washine Chem Corp

Atlantic Chem Corp (P)
Belle Chem Co (P)
Ciba Co (P)
Passaic Color & Chem (P)
Peerless Color Co (P)
Sandoz, Inc (P)

DYES, PLASTIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Cyanamid Co, Pigments Div (P)
Cabot Corp (P)
Collway Pigments (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
►HARSHAW CHEM CO (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Patent Chems (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Dye Specialties (P)
Otto B May (P)
Passaic Color & Chem Co (P)
Peerless Color Co (P)
Sandoz, Inc (P)

DYES, RAYON see Dyes: Azoic, Direct, Sulfur and Vat

DYES, RESIN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Collway Pigments (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Patent Chems (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Atlantic Chem Corp (P)
Ciba Co (P)
Peerless Color Co (P)

DYES, RUBBER see Pigments, Rubber

DYES, SILK

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Geigy Dyestuffs Div (P)
General Dyestuffs Co (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Belle Chem Co (P)
Berkshire Color & Chem Corp (P)
Ciba Co (P)
Dye Specialties (P)
Otto B May (P)
Peerless Color Co (P)
Poughkeepsie Dyestuff Corp (P)
Sandoz, Inc (P)

DYES, SPECK

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div
Pylam Products Co (P)

Atlantic Chem Corp (P)
Ciba Co (P)
Peerless Color Co (P)
Poughkeepsie Dyestuff Corp (P)
Sandoz, Inc (P)

DYES, SPIRIT-SOLUBLE

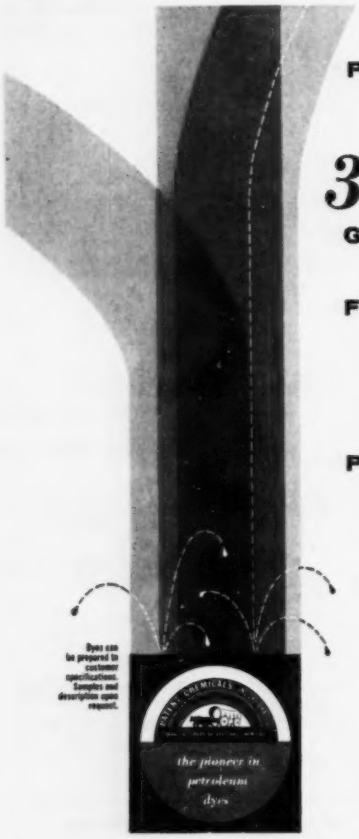
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DYES, WOOL see Dyes, Acid and Mordant

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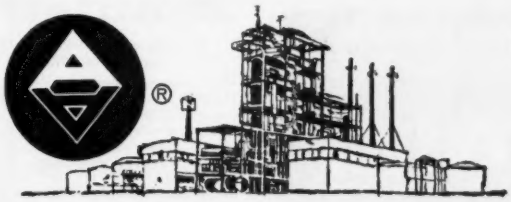
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Boler Petroleum Co (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
Continental Chem Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
Marathon Div (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Nalco Chem Co (P)
Seaboard Chems (P)

EMULSIFIERS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Baker Castor Oil Co (P)
Bareco Wax Co (P)
►COMMERCIAL SOLVENTS CORP (P)
Croda, Inc
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Emery Industries (P)
Kessler Chem Co (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
►S B PENICK & CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►PHILADELPHIA QUARTZ CO (P)
Process Chems Co (P)
Rohm & Haas Co (P)
Sole Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
Vaichem (P)
►VICTOR CHEM WORKS (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Bryant Chem Corp (P)
Ciba Co (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
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Emkay Chem Co (P)
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Fiber Chem Corp (P)
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Scholler Bros (P)
A E Staley Mfg Co (P)
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Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, Adhesive Products Dept (P)
Swift & Co, General Soap Dept (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

EMULSIONS see specific type of emulsions, e.g., Polystyrene Emulsions

ENAMEL WHITE see Lithopone

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Better Finishes & Coatings (P)
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Heresite & Chem Co (P)
Interchem Corp, Finishes Div (P)
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Kryion, Inc (P)
J Landau & Co (P)
Monroe Sander Corp (P)
Pruett-Schaffer Chem Co (P)
Quigley Co (P)
Raffi & Swanson (P)
Subox, Inc (P)
United Lacquer Mfg Corp (P)

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Chemical Coatings & Engrg Co (P)
De Soto Chem Coatings (P)
Duralac Chem Corp (P)
Heresite & Chem Co (P)
Interchem Corp, Finishes Div (P)
Inertol Co (P)
Kryion, Inc (P)
Lacquer Specialties (P)
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►STAUFFER CHEM CO

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ENGLISH WHITE see Calcium Carbonate

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Schwarz BioResearch (P)
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Roselle Labs (P)

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Henley & Co

Biorganic Labs (P)
Roselle Labs (P)
Winthrop Labs (P)

1,2-EPOXYETHYLBENZENE see Styrene Oxide

EPOXYPROPANE see Propylene Oxide

EPSOM SALTS see Magnesium Sulfate

ERBIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
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Millmaster Chem Corp
Var-Lac-Oid Chem Co

Research Chems (P)

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ERGOSTEROL

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Vitamins, Inc (P)

R P Scherer Corp (P)

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ERGOTAMINE TARTRATE

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Fairmount Chem Co (P)
►S B PENICK & CO (P)
Pfanstiehl Labs

Freeman Industries (P)

ESSENCE OF MIRBANE see Nitrobenzene

ESSENCE OF NIOBE see Methyl Benzoate

ESTERS, ALIPHATIC

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American Oil & Supply Co (P)
Applied Science Labs (P)
Argus Chem Corp (P)
Atlas Chem Industries, Chems Div (P)
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Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
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Kessler Chem Co (P)
Maher Color & Chem Co (P)
Marcus Ruth Jerome Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
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Foremost Food & Chem Co (P)
Hexagon Labs (P)
Matheson Coleman & Bell (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

ESTERS, AROMATIC

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Givaudan-Delawanna (P)
Hatco Chem Div (P)
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Kessler Chem Co (P)
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Felton Chem Co (P)
Fries Bros (P)
Heyden Newport Chem Corp (P)
Matheson Coleman & Bell (P)
Hexagon Labs (P)
Reilly-Whiteman-Walton Co (P)
Rubber Corp of America (P)
Thompson Chem Co (P)
R D Webb & Co (P)

ESTERS, HETEROCYLIC

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Harchem Div, Wallace & Tiernan Inc (P)
Kessler Chem Co (P)

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Roselle Labs (P)
Sterol Derivatives Inc (P)

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Chem-Met Corp (P)
Gray Chem (P)
McKay Chem Co (P)
Mona Industries (P)
Oakite Products (P)
Zophar Mills (P)

ETHAL see Alcohol, Cetyl

ETHANE

►ENJAY CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

Arkansas Louisiana Chem Corp (P)
Signal Oil & Gas Co (P)
Union Carbide Olefins Co (P)

ETHANEDITHIOL

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Eastern Chem Corp (P)
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Wateree Chem Co (P)

ETHANENITRILE see Acetonitrile

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R J Brown Co
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Olin Mathieson Chem Corp, Organic Chems (P)
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Republic Chem Corp (P)
J U Starkweather Co
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Union Carbide Chems Co (P)

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►EVANS CHEMETICS (P)
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ETHANOL CHLORIDE see Acetyl Chloride

2-ETHANOLPYRIDINE
Aldrich Chem Co (P)
Reilly Tar & Chem Corp (P)

ETHAVERINE HYDROCHLORIDE
Roselle Labs (P)

ETHENE see Ethylene

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Rohm & Haas Co (P)
E F Drew & Co (P)
Hodag Chem Corp (P)
Landers-Segal Color Co (P)

ETHER, ALLYL GLYCIDYL
Miller-Stephenson Chem Co
►SHELL CHEM CO (P)

ETHER, AMYL, MIXED
Sindar Corp (P)

ETHER, ANESTHESIA see Ether

ETHER, BENZOIC see Ethyl Benzoate

ETHER, BENZYL
►BENZOL PRODUCTS CO (P)
Florasynth Labs
Givaudan-Delawanna (P)
►TRUBEK LABS (P)
Heyden Newport Chem Corp (P)

ETHER, BROMIC see Ethyl Bromide

ETHER, n-BUTYL (Butoxybutane, Butyl Oxide, Dibutyl Ether)
Union Carbide Chems Co (P)

ETHER, CINNAMIC see Ethyl Cinnamate

ETHER, DIBENZYL see Ether, Benzyl

ETHER, DIBUTYL see Ether, n-Butyl

ETHER, DICHLOROETHYL
Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
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Union Carbide Chems Co
C P Hall Co (P)

ETHER, DIMETHYL see Ether, Methyl

ETHER, DIPROPYLENE GLYCOL MONOMETHYL
Dow Chem Co (P)
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►PEERLESS OIL & CHEM CORP

ETHER, ESTRONE METHYL
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ETHER, ETHYL see Ether

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Union Carbide Chems Co (P)

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Union Carbide Chems Co (P)

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George Mann & Co
Mercury Chem Corp
Olin Mathieson Chem Corp, Organic Chems (P)
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Stoney-Mueller, Inc
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Union Carbide Chems Co (P)

ETHER, ETHYLENE GLYCOL MONOMETHYL
American Mineral Spirits Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
DeMert & Dougherty, Inc
Dow Chem Co (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chem Co (P)
C P Hall Co (P)

ETHER, ETHYLENE GLYCOL MONOPHENYL
Dow Chem Co (P)
Union Carbide Chems Co (P)

ETHER, FORMIC see Ethyl Formate

ETHER, α-GLYCEROL-o-CRESYL
RSA Corp (P)
Fries Bros (P)
Hexagon Labs (P)

ETHER, GUAIACOL GLYCERYL
►ACETO CHEM CO
►EVANS CHEMETICS (P)
Gane's Chem Works (P)
Millmaster Chem Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)
Fries Bros (P)
Hexagon Labs (P)
B L Lemke & Co (P)
Ott Chem Co (P)
Polychemical Labs (P)

ETHER, n-HEXYL
Union Carbide Chems Co (P)

ETHER, HYDRIODIC see Ethyl Iodide

ETHER, HYDROCHLORIC see Ethyl Chloride

ETHER, HYDROQUINONE DIBUTYL
Eastern Chem Corp (P)

ETHER, HYDROQUINONE DIETHYL
Eastern Chem Corp (P)

ETHER, HYDROQUINONE DIMETHYL
Ansul Chem Co (P)
Givaudan-Delawanna (P)
Fries Bros (P)

ETHER, HYDROQUINONE MONOBENZYL
Polychemical Labs (P)

ETHER, HYDROQUINONE MONOMETHYL
Ansul Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
Fries Bros (P)

ETHER, ISOPROPYL
►ENJAY CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ETHER, LACTIC see Ethyl Lactate

ETHER, METHYL (Dimethyl Ether)
►COMMERCIAL SOLVENTS CORP (P)
Mercury Chem Corp (P)
Wallace A Erickson & Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ETHER, α-METHYLBENZYL
Union Carbide Chems Co (P)

ETHER, METHYL PHENYL see Anisole

ETHER, MONOCHLOROACETIC see Ethyl Chloroacetate

ETHER, MURIATIC see Ethyl Chloride

ETHER, β-NAPHTHYL ETHYL
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Clinical Chems Corp (P) Fries Bros (P)

ETHER, β-NAPHTHYL METHYL
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Fries Bros (P) United Fuel Gas Co (P)

ETHER, NITRIC see Ethyl Nitrate

ETHER, OXALIC see Ethyl Oxalate

ETHER, PETROLEUM see Petroleum Benzine

ETHER, PHENYL ETHYL see Phenetole

ETHER, POLYOXYETHYLENE
►MONSANTO CHEM CO (P)
Union Carbide Chems Co (P)

ETHER, PROPYLENE GLYCOL METHYL
Dow Chem Co (P)
►PEERLESS OIL & CHEM CORP

ETHER, RESORCINAL DIMETHYL
Ansul Chem Co (P)
Fries Bros (P)

ETHER, SULFURIC see Ether

ETHER, TETRAETHYLENE GLYCOL DIMETHYL
Ansul Chem Co (P)

ETHER, TRIETHYLENE GLYCOL DIMETHYL
Ansul Chem Co (P)

ETHER, TRIPROPYLENE GLYCOL METHYL
Dow Chem Co (P)

ETHER, VALERIC see Ethyl Valerate

ETHER, VINYL n-BUTYL
Union Carbide Chems Co (P)
Borden Chem Co (P)

ETHER, VINYL 2-CHLOROETHYL
Union Carbide Chems Co (P)
Borden Chem Co (P)

ETHER, VINYL ETHYL
Union Carbide Chems Co (P)
Borden Chem Co (P)

ETHER, VINYL 2-ETHYLHEXYL
Borden Chem Co (P)

ETHER, VINYL ISOBUTYL
Borden Chem Co (P)

ETHER, VINYL METHYL
M W Hardy & Co

ETHER, WOOD see Ether, Methyl

ETHERIN see Ethylene

ETHINE see Acetylene

ETHOCAINE see Procaine Hydrochloride

p-ETHOXYACETANILIDE see Acetophenetidin

ETHOXYDIGLYCOL PHTHALATE
Kessler Chem Co (P)

ETHOXYMETHYLENE MALONONITRILE
Aldrich Chem Co (P)
►KAY-FRIES CHEMS (P)

ETHOXYSILANE
Montrose Chem Co (P)

ETHOXYTRIGLYCOL
Union Carbide Chems Co (P)

ETHYL ACETAMIDOCYANOACETATE
Aldrich Chem Co (P)
RSA Corp (P)
Winthrop Labs (P)

ETHYL ACETAMIDOMALONATE
Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)
Winthrop Labs (P)

ETHYL ACETATE (Acetic Ether, Aether Aceticus, Vinegar Naphtha)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
American Oil & Supply Co
►J T BAKER CHEM CO (P)
R J Brown Co
►CHEMICAL SOLVENTS, INC
►COMMERCIAL SOLVENTS CORP (P)
DeMert & Dougherty, Inc
Dodge & Olcott
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Fisher Scientific Co (P)
Florasynth Labs
Fritzsche Bros
Howe & French
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Publicker Industries (P)
Scholle Chem Corp
J U Starkweather Co
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)
Northwestern Chem Co (P)

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ETHYL ACETOACETATE (Diacetic Ester, Acetoacetic Ester)

►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Gallard-Schlesinger Chem Mfg Corp
Hostachem Corp
►MODERN SOLVENTS & CHEMS CORP
Stoney-Mueller, Inc
Union Carbide Chems Co

FMC Corp, Chems & Plastics Div (P)
Freeman Industries (P)

ETHYL ACETOPYRUVATE

K & K Labs (P)

ETHYL ACETYLENE see 1-Butyne

ETHYL ACID PHOSPHATE (Monoethyl Acid Phosphate)

City Chem Corp
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

ETHYL ACRYLATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
Dow Chem Co (P)
Rohm & Haas Co (P)
Union Carbide Chems Co (P)

ETHYLAMINE (Amidoethane, Monoethylamine, Aminoethane)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

ETHYL-p-AMINOBENZOATE (Benzocaine, p-Aminobenzoic Acid Ethylester, Anesthesin)

►ABBOTT LABS (P)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Gane's Chem Works
Henley & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
►S B PENICK & CO, NYC CHEM DIV (P)

Clinical Chems Corp (P)
B L Lemke & Co (P)

ETHYL AMMONIUM PHOSPHATE

►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

ETHYL AMYL CARBINOL see 5-Methyl-3-Heptanol

N-ETHYLANILINE (Monoethylaniline)

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Roberts Chems, Inc (P)

o-ETHYLANILINE

►ETHYL CORP (P)

ETHYL ANISATE

►R W GREEFF & CO

Felton Chem Co (P)
Fries Bros (P)

ETHYL ANTHRANILATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Givaudan-Delawanna (P)

Felton Chem Co (P)

2-ETHYL ANTHRAQUINONE

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)

ETHYL BENZAMIDOMALONATE

Winthrop Labs (P)

ETHYL BENZENE

►ALLIED CHEM CORP, PLASTICS DIV (P)
Dow Chem Co (P)
Fallek Chem Corp
Phillips Petroleum Co, Special Products Div (P)
Tar Residuals
Union Carbide Chems Co (P)

Clinical Chems Corp (P)

ETHYL BENZOATE (Benzoic Ether)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Heyden Newport Chem Corp (P)
Felton Chem Co (P)

ETHYL BENZYL ANILINE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)

ETHYL BORATE (Triethyl Borate, Triethoxyboron)

U S Borax (P)

Anderson Chem Div (P)

ETHYL BROMIDE (Bromic Ether, Bromomethane, Hydrobromic Ether, Monobromoethane)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Great Lakes Chem Corp (P)
Mallinckrodt Chem Works (P)
Michigan Chem Corp (P)

Clinical Chems Corp (P)

ETHYL BROMOACETATE (Ethyl Monobromoacetate)

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)

ETHYL BUTYL KETONE

Union Carbide Chems Co (P)

2-ETHYL-2-BUTYL-1,3-PROPENEDIOL

Aldrich Chem Co (P)

ETHYL BUTYRATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)

Northwestern Chem Co (P)
Felton Chem Co (P)

ETHYL CAPROATE

Applied Science Labs (P)
Dodge & Olcott (P)
Fritzsche Bros (P)

Northwestern Chem Co (P)
Felton Chem Co (P)

ETHYL CARBAMATE

►DELMAR CHEM CO (P)
Fine Organics (P)
►R W GREEFF & CO
Millmaster Chem Corp (P)
►U S INDUSTRIAL CHEMS CO (P)

FMC Corp, Chems & Plastics Div (P)

ETHYL CARBINOL see Alcohol, n-Propyl

ETHYL CARBONATE see Diethyl Carbonate

ETHYL CELLULOSE

Dow Chem Co (P)
Hercules Powder Co (P)

ETHYL CHLORIDE (Monochloroethane, Chlorethane, Hydrochloric Ether, Muriatic Ether)

Dow Chem Co (P)
►ETHYL CORP (P)
►SHELL CHEM CO (P)
►U S INDUSTRIAL CHEMS CO (P)

Montrose Chem Co (P)

ETHYL CHLOROACETATE (Ethyl Monochloroacetate)

►ACETO CHEM CO
►BENZOL PRODUCTS CO (P)
Dow Chem Co (P)
Hostachem Corp
►KAY-FRIES CHEMS (P)

ETHYL CHLOROCARBONATE see Ethyl Chloroformate

ETHYL CHLOROFORMATE (Ethyl Chlorocarbonate)

Distillation Products Industries (P)
►U S INDUSTRIAL CHEMS CO (P)

FMC Corp, Chems & Plastics Div (P)

ETHYL CINNAMATE (Cinnamic Ether)

Dawe's Labs (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO

Felton Chem Co (P)
Fries Bros (P)

ETHYL CROTONATE

Eastern Chem Corp (P)
K & K Labs (P)

Borden Chem Co (P)
Kaplop Labs (P)

ETHYL CYANIDE see Propionitrile

ETHYL CYANOACETATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Chem Co
►KAY-FRIES CHEMS (P)

Gamma Chem Corp (P)

ETHYLENE (Ethene, Etherin, Elayl, Bicarburetted Hydrogen, Heavy Carburetted Hydrogen, Olefiant Gas)

►ENJAY CHEM CO (P)
►GULF OIL CORP (P)
►MONSANTO CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)
►U S INDUSTRIAL CHEMS CO (P)

Eastern States Petroleum & Chem Corp (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Petroleum Chems (P)
Phillips Chem Co (P)
Signal Oil & Gas Co (P)
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ETHYLENE ALDEHYDE see Acrolein

ETHYLENE BROMIDE (1,2-Dibromoethane; Ethylene Dibromide)

►AMERICAN POTASH & CHEM CORP (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►ETHYL CORP (P)

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►FMC CORP, MINERAL PRODUCTS DIV (P)
Great Lakes Chem Corp (P)
Michigan Chem Corp (P)

Clinical Chems Corp (P)

ETHYLENE CARBONATE

Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
Union Carbide Chems Co (P)

ETHYLENE CHLORIDE (Ethylene Dichloride, Dichloroethane)

American Mineral Spirits Co
►J T BAKER CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Diamond Alkali Co (P)
Dow Chem Co (P)
►ETHYL CORP (P)
Fisher Scientific Co (P)
Howe & French
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Tect, Inc (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

ETHYLENE CHLOROBROMIDE (sym-Chlorobromoethane)

Dow Chem Co (P)

ETHYLENE CHLORHYDRIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)

ETHYLENE CYANIDE see Succinonitrile

ETHYLENE CYANOHYDRIN (β-Hydroxypropionitrile, Hydracrylonitrile)

Union Carbide Chems Co (P)

ETHYLENEDIAMINE (1,2-Diaminoethane)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

ETHYLENEDIAMINE HYDROCHLORIDE

RSA Corp (P)

ETHYLENEDIAMINE TETRAACETIC ACID, SODIUM SALTS

Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Dow Chem Co (P)
Fallek Chem Corp
Fisher Scientific Co
Process Chems Co (P)
►VICTOR CHEM WORKS (P)

Bio-Rad Labs (P)
Geigy Industrial Chems (P)
Hampshire Chem Corp (P)
Hart Products Corp (P)
A R Maas Chem Co (P)
Refined Products Co (P)
Scher Bros (P)
Tanatex Chem Corp (P)

ETHYLENE DIBROMIDE see Ethylene Bromide

ETHYLENE DICHLORIDE see Ethylene Chloride

ETHYLENE DIMETHACRYLATE

Sartomer Resins, Inc (P)

Wallace A Erickson & Co (P)
Borden Chem Co (P)

ETHYLENE GLYCOL (Glycol, Ethylene Alcohol, Glycol Alcohol, Glycohol Alcohol)

►ALLIED CHEM CORP, NITROGEN DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
American Oil & Supply Co
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
Dow Chem Co (P)
Fallek Chem Corp
Fisher Scientific Co (P)
J F Henry Chem Co
Howe & French
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
E & F King & Co
Lotte Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
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Union Carbide Chems Co (P)

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►WYANDOTTE CHEMS CORP (P)

Allied Industrial Products Co (P)
Calcasieu Chem Corp (P)
Houston Chem Corp (P)

ETHYLENE GLYCOL DIACETATE

Union Carbide Chems Co (P)

ETHYLENE GLYCOL DIBENZENESULFONATE

Nease Chem Co (P)

ETHYLENE GLYCOL DIBUTYL ETHER ADIPATE

Kessler Chem Co (P)

ETHYLENE GLYCOL DIBUTYL ETHER PHTHALATE

Kessler Chem Co (P)

ETHYLENE GLYCOL DIMETHACRYLATE

Sartomer Resins, Inc (P)

Wallace A Erickson & Co (P)
Borden Chem Co (P)

ETHYLENE GLYCOL DISTEARATE

Kessler Chem Co (P)
Sole Chem Corp
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
E F Drew & Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Mathe Chem Co (P)

ETHYLENE GLYCOL LAURATES

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

E F Drew & Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Arthur C Trask Co (P)

ETHYLENE GLYCOL STEARATES

E F Houghton & Co (P)

ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE

►BAIRD CHEM INDUSTRIES, INC
Union Carbide Chems Co (P)

ETHYLENE GLYCOL MONOBUTYL ETHER STEARATE

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

E F Drew & Co (P)
Hodag Chem Corp (P)

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE

►BAIRD CHEM INDUSTRIES, INC
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE

►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

ETHYLENE GLYCOL MONOMETHYL ETHER ACETYL RICINOLEATE

Baker Castor Oil Co (P)

ETHYLENE GLYCOL MONOMETHYL ETHER OLEATE

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

E F Drew & Co (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)

ETHYLENE GLYCOL MONOMETHYL ETHER RICINOLEATE

E F Drew & Co (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)

ETHYLENE GLYCOL MONOMETHYL ETHER STEARATE

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Emkay Chem Co (P)
Hodag Chem Corp (P)

ETHYLENE GLYCOL MONOSALICYLATE

European Chem Co
►R W GREEFF & CO
►MONSANTO CHEM CO (P)
Process Chems Co (P)
RSA Corp (P)

Fries Bros (P)
Hexagon Labs (P)

ETHYLENE GLYCOL OLEATES

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

ETHYLENE GLYCOL STEARATES

Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

ETHYLENE IMINE (Monomer & Polymer)

Chemirad Corp (P)
K & K Labs (P)

Borden Chem Co (P)
Kaplop Labs (P)

ETHYLENE IMINE DERIVATIVES

Chemirad Corp (P)
K & K Labs (P)

Borden Chem Co (P)

ETHYLENE IODIDE

Var-Lac-Oid Chem Co (P)

Edcan Labs (P)

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ETHYLENE OXIDE

►ALLIED CHEM CORP, NITROGEN DIV (P)
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CONTINENTAL OIL CO
Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)
Calcasieu Chem Corp (P) Houston Chem Corp (P)

ETHYLENE THIOUREA (2-Imidazolidinethione)

►BAIRD CHEM INDUSTRIES, INC
Faesy & Besthoff
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)

N-ETHYL ETHANOLAMINE

Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

ETHYL ETHOXYMETHYLENE CYANOACETATE

►ACETO CHEM CO (P)
Aldrich Chem Co (P)
►KAY-FRIES CHEMS (P)

ETHYL ETHYL MALONATE see Ethyl Malonic Ester

ETHYL FLUOROACETATE

K & K Labs (P)
Roberts Chems, Inc (P)

ETHYL FORMATE (Formic Ether)

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
►TRUBEK LABS (P)
Union Carbide Chems Co (P)
Felton Chem Co (P)

ETHYL GLYCINE HYDROCHLORIDE (Glycine Ethyl Ester Hydrochloride, Ethyl Glycocoll Hydrochloride)

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

2-ETHYL-1,3-HEXANEDIOL

Henley & Co
Union Carbide Chems Co (P)

2-ETHYLHEXYL ACETATE (Octyl Acetate)

►CHEMICAL SOLVENTS, INC
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Deecy Products Co (P)

2-ETHYLHEXYL ACRYLATE

►CELANESE CHEM CO (P)
Dow Chem Co (P)
Rohm & Haas Co (P)
Union Carbide Chems Co (P)

2-ETHYLHEXYLAMINE

Union Carbide Chems Co (P)

2-ETHYLHEXYL CHLORIDE

►CHEMICAL SOLVENTS, INC
Union Carbide Chems Co (P)

2-ETHYLHEXYL DIPHENYL PHOSPHATE

►MONSANTO CHEM CO (P)

2-ETHYLHEXYL OCTYLPHENYL PHOSPHITE

►VIRGINIA-CAROLINA CHEM CORP (P)

2-ETHYLHEXYL SILICATE

Montrose Chem Co (P)

ETHYL HYDROXIDE see Alcohol, Ethyl

ETHYL-p-HYDROXYBENZOATE

►ACETO CHEM CO
►R W GREEFF & CO
Fries Bros (P) Heyden Newport Chem Corp (P)

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ETHYL IODIDE (Monoiodoethane, Hydriodic Ether)

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Fairmount Chem Co (P)
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)
Var-Lac-Old Chem Co (P)
Andor Labs (P) Mathe Chem Co (P)
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Florasynth Labs
Fritzsche Bros (P)
Felton Chem Co (P)

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►BAIRD CHEM INDUSTRIES, INC
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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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Florasynth Labs (P)
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Givaudan-Delawanna (P)
►KAY-FRIES CHEMS (P)
Felton Chem Co (P) Mathe Chem Co (P)

ETHYL LEVULINATE
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Arapahoe Chems (P)
Millmaster Chem Corp (P)

ETHYL MAGNESIUM CHLORIDE
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Millmaster Chem Corp (P)

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►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
RSA Corp (P)

ETHYL MALONATE (Malonic Ester, Diethyl Malonate)
►ABBOTT LABS (P)
Fairmount Chem Co (P)
Florasynth Labs
►R W GREEFF & CO
►KAY-FRIES CHEMS (P)
►ELI LILLY & CO, ELANCO DIV (P)
Var-Lac-Old Chem Co (P)

ETHYL MALONIC ESTER (Ethyl Ethyl Malonate)
Var-Lac-Old Chem Co (P)
Kaplop Labs (P)

ETHYL MERCAPTAN (Ethanethiol)
►HUMPHREY-WILKINSON (P)
Mallinckrodt Chem Works (P)
Oronite Chem Co (P)
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)
Natural Gas Odorizing (P)

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►ELI LILLY & CO, ELANCO DIV (P)
Metalsalts Corp (P)
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►DU PONT, ELECTROCHEMS DEPT (P)
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Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

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►JEFFERSON CHEM CO (P)
Union Carbide Chems Co (P)

ETHYL MYRISTATE
►ACETO CHEM CO
Applied Science Labs (P)
Florasynth Labs
Givaudan-Delawanna (P)
Mathe Chem Co (P)

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RSA Corp (P)
Fries Bros (P) Polychemical Labs (P)
Nepera Chem Co (P)

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K & K Labs (P)

ETHYL NITRITE (Nitrous Ether)
Mallinckrodt Chem Works (P)

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Applied Science Labs (P)
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►ACETO CHEM CO

ETHYL-3-OXO-6-HEPTENOATE

ETHYL α-OXYPROPIONATE see Ethyl Lactate

ETHYL PALMITATE
Applied Science Labs (P)
Mathe Chem Co (P)

ETHYL PHENYLACETATE
►BENZOL PRODUCTS CO (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►TRUBEK LABS (P)
Felton Chem Co (P)

ETHYL PHENYL DIETHYL MALONATE
►BENZOL PRODUCTS CO (P)

N,N-ETHYL PHENYL ETHANOLAMINE
►EASTMAN CHEM PRODUCTS (P)
Trylon Chems (P)

ETHYL PHENYL GLYCIDATE
Givaudan-Delawanna (P)
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International Flavors & Fragrances (P)
Descollonges, Inc (P)

ETHYL PHENYL KETONE see Propiophenone

ETHYL PHOSPHATE
►VICTOR CHEM WORKS (P)

ETHYL PHTHALATE see Diethyl Phthalate

ETHYL PHTHALATE ETHYL GLYCOLATE
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Sartomer Resins, Inc (P)
Borden Chem Co (P)

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Northwestern Chem Co (P) Felton Chem Co (P)

ETHYL PROPIONYL see Diethyl Ketone

2-ETHYL-3-PROPYLACROLEIN see 2-Ethyl-3-Hexanal

ETHYL PROTOCATECHUIC see Ethyl Vanillin

ETHYL SALICYLATE
Dodge & Olcott (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Rhodia, Inc (P)

ETHYL SALICYLATE CARBONATE
►R W GREEFF & CO
Fries Bros (P)

ETHYL SEBACATE (Diethyl Sebacate)
►ACETO CHEM CO
Fairmount Chem Co (P)
Florasynth Labs
Felton Chem Co (P) Tennant Chem Div (P)

ETHYL SILICATE (Tetraethyl o-Silicate)
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►MONSANTO CHEM CO (P)
Riches-Nelson, Inc
Union Carbide Chems Co (P)
Anderson Chem Div (P) Montrose Chem Co (P)

ETHYL SODIUM OXALACETATE (Sodium Ethyl Oxalacetate)
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Hostachem Corp
FMC Corp, Chems & Plastics Div (P)

ETHYL STEARATE
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►R W GREEFF & CO
Fries Bros (P) Mathe Chem Co (P)

ETHYL SUCCINATE (Diethyl Succinate)
►ACETO CHEM CO
Fairmount Chem Co (P)
►MONSANTO CHEM CO (P)
B L Lemke & Co (P)

ETHYL SULFATE see Diethyl Sulfate

ETHYL SULFIDE (Diethyl Sulfide)
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Distillation Products Industries (P)
Wateree Chem Co (P)

N-ETHYL-p-TOLUENESULFONAMIDE
►MONSANTO CHEM CO (P)

ETHYL-p-TOLUENESULFONATE (p-Toluene Sulfo Ethyl Ether)

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Union Carbide Corp, Silicones Div (P)
Peninsular ChemResearch (P)

ETHYLTRIETHOXYSILANE

Union Carbide Corp, Silicones Div (P)
Peninsular ChemResearch (P)

ETHYL TRIFLUOROACETATE

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Aldrich Chem Co (P
Farchan Research Labs (P)

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Farchan Research Labs (P)

β-ETHYNYL ETHANOL see 3-Butyn-1-ol

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EUNATROL see Sodium Oleate

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►DAVISON CHEM DIV
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
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►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co
Research Chems (P)

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City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
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Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
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►DU PONT, EXPLOSIVES DEPT (P)
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Atlas Powder Co, Explosives Div (P)
National Powder Co (P)
Thomas Alabama Kaolin Co (P)
Trojan Powder Co (P)

EXTENDERS, INK see Fillers

EXTREME PRESSURE BASES

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►ETHYL CORP (P)
Harchem Div, Wallace & Tiernan Inc (P)
M Michel & Co (P)
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Carlisle Chem Works (P)
Crescent Oil Co (P)
Ferro Chem Div (P)
White & Bagley Co (P)
Xanthippe Chems (P)

F

FALSE SAFFRON see Saffron, American

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Pacific Vegetable Oil Corp (P)
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FATTY ACIDS see Acids, Fatty

FATTY ALCOHOLS see Alcohols, Fatty

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Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

FATTY AMINES

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Dow Chem Co (P)
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Glyco Chems (P)
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Argus Chem Corp (P)
Armour Industrial Chem Co (P)
Baker Castor Oil Co (P)
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Degen Oil & Chem Co (P)
Distillation Products Industries (P)
Emery Industries (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Kessler Chem Co (P)
Maher Color & Chem Co (P)
Marcus Ruth Jerome Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Process Chems Co (P)
Sole Chem Corp (P)
Welch, Holme & Clark Co
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

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Carlisle Chem Works (P)
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Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Foremost Food & Chem Co (P)
Geigy Industrial Chems (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
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Neatsfoot Oil Refineries Corp (P)
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Pennsylvania Refining Co (P)
Procter & Gamble Co (P)
Reilly-Whiteman-Walton Co (P)
Robinson Wagner Co (P)
Rubber Corp of America (P)
Scher Bros (P)
Werner G Smith, Inc (P)
Stepan Chem Co, Industrial Chems Div (P)
Arthur C Trask Co (P)

FATTY ESTERS, AMPHOTERIC

Maher Color & Chem Co (P)

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FATTY NITRILES

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Armour Industrial Chem Co (P)
General Mills, Chem Div (P)
Marcus Ruth Jerome Co (P)

Archer-Daniels-Midland Co (P)
Foremost Food & Chem Co (P)

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►MONSANTO CHEM CO (P)
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Prentiss Drug & Chem Co (P)

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►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
Kraft Chem Co
►McKESSON & ROBBINS, CHEM DEPT
Charles A Wagner Co
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Foote Mineral Co (P)
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►BAIRD CHEM INDUSTRIES, INC
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
Roberts Chems, Inc (P)
Samincorp
Wood Ridge Chem Corp (P)

Ortho Div (P)

FERRIC CHEMICALS see corresponding Iron chemical

FERROBORON

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Foote Mineral Co (P)
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Vanadium Corp of America (P)

FERROCENE see Dicyclopentadienyl Iron

FERROCHROMITE see Chromite

FERROCHROMIUM (Ferrochrome)

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Foote Mineral Co (P)
Union Carbide Metals (P)
Vanadium Corp of America (P)

FERROMANGANESE

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International Selling Corp
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Union Carbide Metals Co (P)
Vanadium Corp Of America (P)

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Bram Metallurgical-Chem Co (P)

FERROPHOSPHORUS

Belmont Smelting & Refining Works (P)
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►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

FERROSELENIUM

Belmont Smelting & Refining Works (P)
Kawecki Chem Co (P)
Var-Lac-Oid Chem Co (P)

FERROSILICON

Belmont Smelting & Refining Works (P)
Hostachem Corp
Miller-Stephenson Chem Co
►TENNESSEE PRODUCTS & CHEM CORP (P)

Foote Mineral Co (P)
Union Carbide Metals Co (P)
Vanadium Corp of America (P)

FERROSO-FERRIC OXIDE see Iron Oxide, Black

FERROTITANIUM

Belmont Smelting & Refining Works (P)
International Selling Corp
►METAL & THERMIT CORP (P)
►TITANIUM ALLOY MFG DIV (P)

Foote Mineral Co (P)
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Vanadium Corp of America (P)

FERROTUNGSTEN

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International Selling Corp
Shwayder Chem Metallurgy Corp (P)

Union Carbide Metals Co (P)

(P) Company classifies itself as producer
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See company directory for addresses

FERROUS CHEMICALS see corresponding Iron chemical

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Belmont Smelting & Refining Works (P)

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Foote Mineral Co (P)
Union Carbide Metals (P)
Vanadium Corp of America (P)

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Great Lakes Carbon Corp, Dicalite Dept (P)
►JOHNS-MANVILLE (P)
M Michel & Co
►MINERALS & CHEMS PHILIPP CORP (P)
►QUAKER OATS CO (P)
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Hayes-Sammons Chem Co (P)
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Weyerhaeuser Co, Silvatek Div (P)

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►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
H J Baker & Bro
Chemical & Pigment Co (P)
►COMMERCIAL SOLVENTS CORP (P)
Darling & Co (P)
Davies Nitrate Co (P)
►DAVISON CHEM DIV (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
Nitrogen Products, Inc
►SINCLAIR PETROCHEMS (P)
Smith-Douglass Co (P)
►VICTOR CHEM WORKS (P)

Clarkson Labs (P)
Collier Carbon & Chem Corp (P)
Colorado Fuel & Iron Corp (P)
Dayton Fertilizer Corp (P)
Escambia Chem Corp (P)
Hayes-Sammons Chem Co (P)
Madison Glue Co (P)
Miller Chem & Fertilizer Corp (P)
Miller Products Co (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
Summers Fertilizer Co (P)
Troy Chem Co (P)

FERTILIZERS, LIQUID

►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
Chemical & Pigment Co (P)
Chempar Chem Co
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV (P)
►MONSANTO CHEM CO (P)
Nitrogen Products, Inc
►SINCLAIR PETROCHEMS (P)
Smith-Douglass Co (P)

Collier Carbon & Chem Corp (P)
Composition Materials Co (P)
Dayton Fertilizer Corp (P)
Escambia Chem Corp (P)
Gray Chem (P)
Hayes-Sammons Chem Co (P)
Miller Chem & Fertilizer Corp (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
Spencer Chem Co (P)
Texaco Inc (P)
Troy Chem Co (P)
Woodbury Chem Co (P)

FERTILIZERS, MIXED

►AMERICAN AGRICULTURAL CHEM CO (P)
H J Baker & Bro
Chempar Chem Co
Darling & Co (P)
►DAVISON CHEM DIV (P)
Hercules Powder Co (P)
►INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV (P)
Nitrogen Products, Inc
Smith-Douglass Co (P)

Collier Carbon & Chem Corp (P)
Dayton Fertilizer Corp (P)
Gray Chem (P)
Hayes-Sammons Chem Co (P)
Miller Products Co (P)
Miller Chem & Fertilizer Corp (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
Summers Fertilizer Co (P)

FERTILIZERS, NITROGEN

►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
H J Baker & Bro
Chempar Chem Co
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT
W R Grace & Co, Nitrogen Products Div (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
Nitrogen Products, Inc
Rohm & Haas Co (P)
►SINCLAIR PETROCHEMS (P)

American Oil Co (P)
Apache Powder Co (P)
Collier Carbon & Chem Corp (P)
Dayton Fertilizer Corp (P)
Escambia Chem Corp (P)
Ketona Chem Corp (P)
Madison Glue Corp (P)
Northern Chem Industries (P)
Olin Mathieson Chem Corp, Plant Food (P)
Spencer Chem Co (P)
Texaco Inc (P)

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►MILES CHEM CO (P)
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FILINGS, IRON & STEEL

Shwayder Chem Metallurgy Corp (P)

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►BERKSHIRE CHEMS INC
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Diamond Alkali Co (P)
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►GEORGIA KAOLIN CO (P)
Georgia Marble Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
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J M Huber Corp (P)
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►MINERALS & CHEMS PHILIPP CORP (P)
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L A Salomon & Bro
Sherwin-Williams Co (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)
Thompson-Hayward Chem Co
Charles A Wagner Co
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Calcium Carbonate Co (P)
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Hayden Mica Co (P)
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Ohio Lime Co (P)
Richmond Mica Corp (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)
United States Gypsum Co (P)
United States Mica Co (P)

FILLERS, PAPER

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►BERKSHIRE CHEMS INC
Cabot Corp (P)
Charles B Chrystal Co
Diamond Alkali Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►GEORGIA KAOLIN CO (P)
Georgia Marble Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
J M Huber Corp (P)
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►MINERALS & CHEMS PHILIPP CORP (P)
►PHILADELPHIA QUARTZ CO (P)
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L A Salomon & Bro
Stein Hall & Co (P)
►TITANIUM ALLOY MFG DIV (P)
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Eagle-Picher Co (P)
Edgar Plastic Kaolin Co (P)
Hayden Mica Co (P)
Industrial Minerals, Inc (P)
Kenite Corp (P)
Ohio Lime Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)
United States Gypsum Co (P)
R T Vanderbilt Co (P)

FILLERS, PLASTIC

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Cabot Corp (P)
Charles B Chrystal Co

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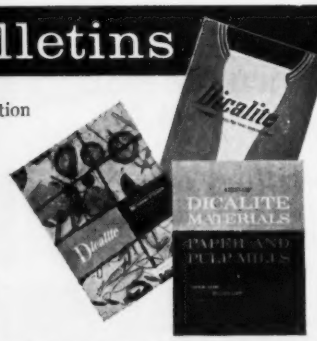
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Catalyst Carrier • Absorbent • Insulation
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Get These Bulletins

E-41 Mineral Fillers and Thermal Insulation
C-23 Dicalite in Paint Manufacture.
F-53 Use of Dicalite in Paper and Pulp Mills.



DEPENDABLE GLC Dicalite®

Dicalite Department, Great Lakes Carbon Corporation
612 So. Flower St., Los Angeles 17, California

Chemical Affiliates (P)
Diamond Alkali Co (P)
English Mica Co (P)
►GEORGIA KAOLIN CO (P)
Georgia Marble Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
Harwick Standard Chem Co
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
Miller-Stephenson Chem Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►REYNOLDS METALS CO (P)
L A Salomon & Bro
Sherwin-Williams Co (P)
Tamms Industries
►TENNESSEE PRODUCTS & CHEM CORP (P)
►TITANIUM ALLOY MFG DIV (P)
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Basic Plastic Materials (P)
Calcium Carbonate Co (P)
Columbia Quarry Co (P)
Composition Materials Co (P)
Eagle-Picher Co (P)
Edgar Plastic Kaolin Co (P)
Foote Mineral Co (P)
Hayden Mica Co (P)
Industrial Minerals, Inc (P)
Kenite Corp (P)
Ohio Lime Co (P)
Shamokin Filler Co (P)
Puget Sound Pulp & Timber Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)
United States Mica Co (P)
Weyerhaeuser Co, Silvatek Div (P)
Wilner Wood Flour Co (P)

FILLERS, PRINTING INK

American Colloid Co (P)
►BERKSHIRE CHEMS INC
Cabot Corp (P)
Diamond Alkali Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►GEORGIA KAOLIN CO (P)
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Smith Chem & Color Co
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Eagle-Picher Co (P)
Hayden Mica Co (P)
Kenite Corp (P)
Industrial Minerals, Inc (P)
United Clay Mines (P)

FILLERS, RUBBER

►BERKSHIRE CHEMS INC
Cabot Corp (P)
Charles B Chrystal Co
Diamond Alkali Co (P)
English Mica Co (P)
►GEORGIA KAOLIN CO (P)
Georgia Marble Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
Harwick Standard Chem Co
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
L A Salomon & Bro
Sherwin-Williams Co (P)
Smith Chem & Color Co
Tamms Industries
►TITANIUM ALLOY MFG DIV (P)
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Adhesive Products Corp (P)
Calcium Carbonate Co (P)
Commercial Minerals (P)
Composition Materials Co (P)
Eagle-Picher Co (P)
Edgar Plastic Kaolin Co (P)
Hayden Mica Co (P)
Industrial Minerals, Inc (P)
Kenite Corp (P)
Mineralite Sales Corp (P)
National Starch & Chem Corp (P)
Ohio Lime Co (P)
Shamokin Filler Co (P)
Southeastern Clay Co (P)
Thomas Alabama Kaolin Co (P)
United Clay Mines (P)
United States Gypsum Co (P)
R T Vanderbilt Co (P)
Velsicol Chem Corp (P)
Wilner Wood Flour Co (P)

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Cabot Corp (P)
Charles B Chrystal Co
Diamond Alkali Co (P)
►GEORGIA KAOLIN CO (P)
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
Maher Color & Chem Co (P)
►ONYX CHEM CORP (P)
L A Salomon & Bro
Sherwin-Williams Co (P)
Stein Hall & Co (P)
C K Williams & Co (P)

American Felt Co (P)
Bryant Chem Corp (P)
California Spray-Chem Corp (P)
Eagle-Picher Co (P)
Edgar Plastic Kaolin Co (P)
Emkay Chem Co (P)
Hayden Mica Co (P)
Mineralite Sales Corp (P)
Scholler Bros (P)
Titan Chem Products (P)
United Clay Mines (P)

FILLERS, WOOD

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►JOHNS-MANVILLE (P)
Miller-Stephenson Chem Co
Tamms Industries
Trio Chem Works (P)
C K Williams & Co (P)

Allied Finishing Specialties Co (P)
Composition Materials (P)
Gill Chem Products (P)
Monroe Sander Corp (P)
United Clay Mines (P)
Wilner Wood Flour Co (P)

FILTER AIDS

American Oil & Supply Co (P)
H Reeve Angel & Co
Barnebey-Cheney Co (P)
►BROWN CO (P)
Burtonite Co (P)
Dow Chem Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
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B-14 General bulletin on filteraid filtration.
D-10 Diatomite filteraids bulletin.
P-10 Perlite filteraids bulletin.
BW-13 Filtration of potable water for municipal, beverage manufacture and swimming pool use.



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Dicalite Department, Great Lakes Carbon Corporation
612 So. Flower St., Los Angeles 17, California.

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►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
L A Salomon & Bro
Sole Chem Corp
Stein Hall & Co (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)
Thompson-Hayward Chem Co
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Basic Plastic Materials (P)
Composition Materials Co (P)
Eagle-Picher Co (P)
Puget Sound Pulp & Timber Co
Weyerhaeuser Co, Silvatek Div (P)

FILTER MEDIA—see also Filter Media in the Equipment Section

H Reeve Angel & Co
Barnebey-Cheney Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►JOHNS-MANVILLE (P)

American Felt Co (P)
Chem-Pure Service Co (P)
Composition Materials (P)
National Carbon Corp (P)
Edgar Plastic Kaolin Co (P)
Servtex Materials Co (P)
United Clay Mines (P)

FILTER POWDER

H Reeve Angel & Co
Barnebey-Cheney Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►JOHNS-MANVILLE (P)
L A Salomon & Bro
Thompson-Hayward Chem Co

Puget Sound Pulp & Timber Co (P)
Eagle-Picher Co (P)

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Aldrich Chem Co (P)
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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Applied Science Labs (P)
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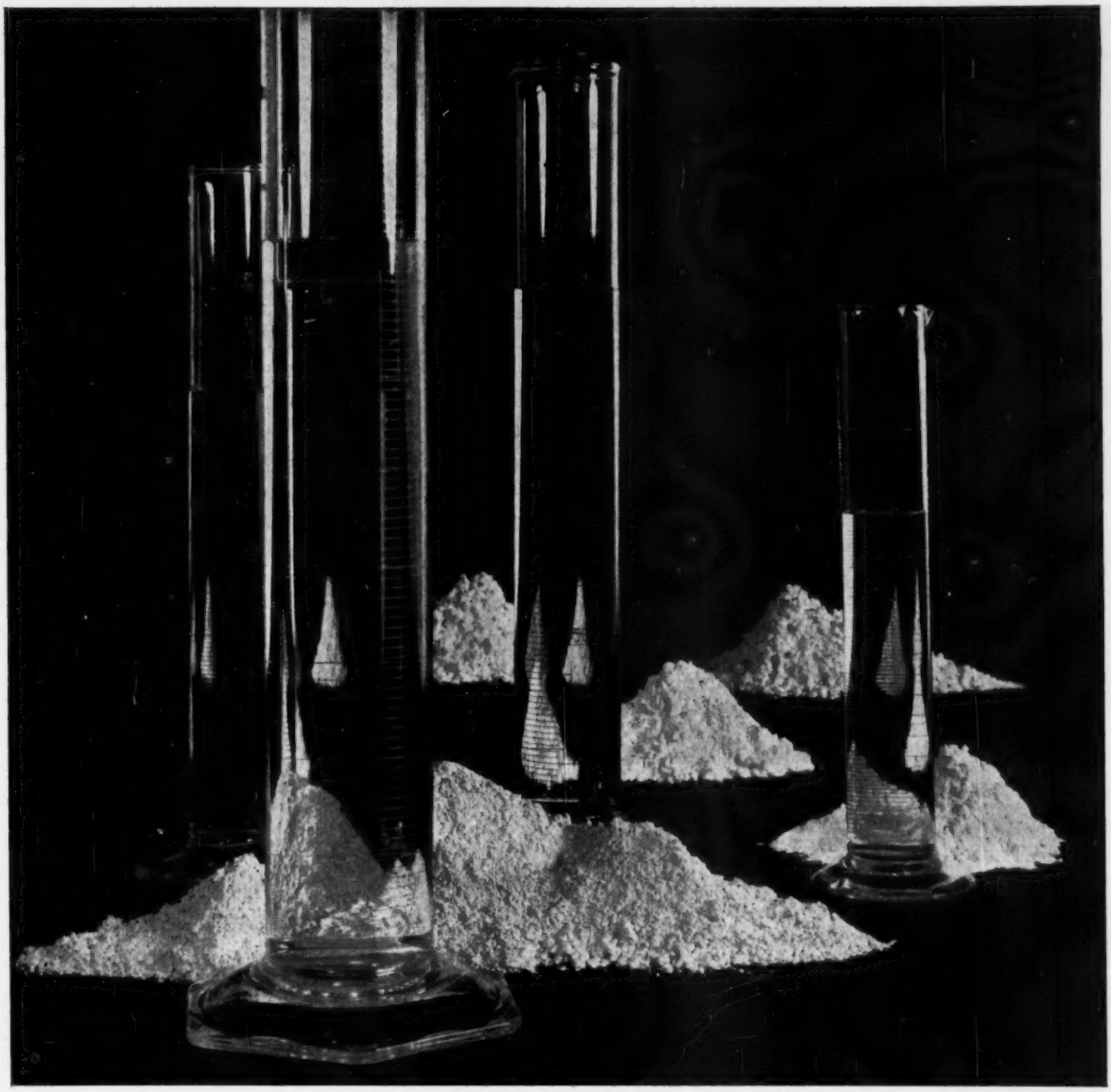
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Pentobarbital, Acid & Sodium Salt
Pheniramine Maleate
Phenobarbital
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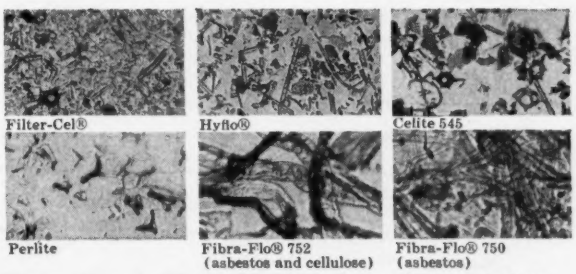


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Hoffman Labs (P)
►HOOKER CHEM CORP (P)
K & K Labs (P)
►KAY-FRIES CHEMS (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
M Michel & Co
►MILES CHEM CO (P)
►NOPCO CHEM CO (P)
Nease Chem Co (P)
Pfaltz & Bauer, Inc
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►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Chas Pfizer & Co (P)
RSA Corp (P)
Sigma Chem Co (P)
George Uhe Co
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Andor Labs (P)
Arol Chem Products Co (P)
Barium & Chems (P)
Ben Venue Labs (P)
Bio-Rad Labs (P)
Borden Chem Co (P)
Bram Metallurgical-Chem Co (P)
Brothers Chem Co (P)
Edcan Labs (P)
Electro Organic Corp (P)
Fiber Chem Corp (P)
Fries Bros (P)
Gamma Chem Corp (P)
Guardian Chem Corp (P)
Hartman-Leddon Co (P)
Hexagon Labs (P)
Hummel Chem Co (P)
Heyden Newport Chem Corp (P)
Kaplop Labs (P)
Krishell Labs (P)
Mann Fine Chem (P)
Mona Industries (P)
Pabst Brewing Co (P)
Peninsular Chem-Research (P)
Pierce Chem Co (P)
Polychemical Labs (P)
Premium Chems (P)
Sapon Labs (P)
Schwarz BioResearch (P)
Stepan Chem Co, Industrial Chems Div (P)
Techniservice (P)
Tennant Chem Div (P)
Volk Radiochem Co (P)
Warwick Chem Div (P)
Xanthippe Chems (P)

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OF RARE & FINE CHEMICALS

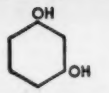
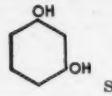
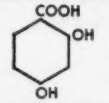
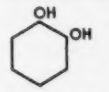
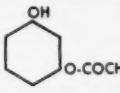
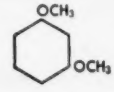
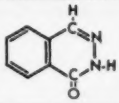
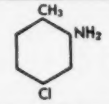
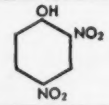
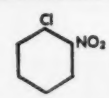
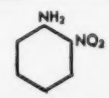
thousands of RARE Chemicals From Stock

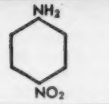
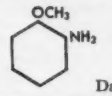
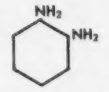
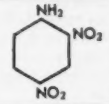
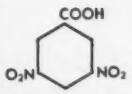
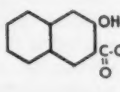
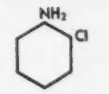
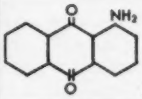
ortho-AMINOBIPHENYL
BORON TRIIODIDE
p-BROMOMANDELIC ACID
DIBENZOYL DISULFIDE
p-ETHYL NITROBENZENE
FENCHYL ALCOHOL
FERROCENE
FRUCTOSE 1,6 DIPHOSPHATE Ca
n-HEXALDEHYDE
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K & K LABORATORIES INC.

177-10 93rd Ave. Jamaica 33, N.Y.

PRODUCT	SUGGESTED USES
 **Resorcinol, Technical** Bulletin C-7-124	Rubber chemicals, antioxidant, waterproof adhesives, resins, light stabilizers.
 **Resorcinol, U.S.P.** See Resorcinol Bulletin	Pharmaceuticals, photographic chemicals, high energy fuels.
 **Beta Resorcylic Acid** Bulletin CD-0-531	Textile chemicals, chemical intermediate, pharmaceuticals, photographic chemicals.
 **Catechol, C.P.** Bulletin CD-0-527	Chemical specialties, antioxidant, bactericide, dyes, electroplating.
 **Resorcinol Monoacetate** Data Sheet AT-401	Pharmaceuticals, veterinary chemicals, chemical intermediate.
 **Resorcinol Dimethyl Ether** Data Sheet AT-410	Pharmaceuticals, ultraviolet light stabilizer.
 **Phthalazone** Bulletin CD-1-550	Pharmaceuticals, dye intermediate, epoxy resin curing agent, cross linking agent, vinyl resin stabilizer.
 **4-Chloro-2-Aminotoluene** Data Sheet AT-201	Dye intermediate.
 **Dinitrophenol** Data Sheet AT-506	Wood preservative, sulfur dyes.
G-1124 (CD-0-648) G-1131 (CD-0-645) G-1215 (C-0-143) G-1222 (C-8-223) G-1260 (C-8-152) G-1288 (CD-0-667) G-1292 (C-9-231) **"Penacolite" Adhesives** Technical Bulletins	Permanent-bond, waterproof Resorcinol Adhesives and Resorcinol/phenol-modified adhesives for wood, veneer, plastic materials, rubber.
 **Ortho Nitro Chlorobenzene** Data Sheet AT-504	Chemical intermediate.
 **Ortho Nitroaniline** Data Sheet AT-203	Veterinary chemicals, antioxidants, dye intermediate.

PRODUCT	SUGGESTED USES
 **Para Nitroaniline** Data Sheet AT-204	Antiozidant, antioxidant, veterinary chemicals, dye intermediate.
 **Ortho Anisidine** Data Sheet CD-0-202	Chemical intermediate, dye intermediate.
 **Ortho Phenylene Diamine** Data Sheet AT-210	Pharmaceuticals, photographic chemicals, rubber chemicals, veterinary chemicals, fur dyes, paint additive.
 **2, 4-Dinitroaniline** Data Sheet AT-215	Dye intermediate.
 **3, 5-Dinitrobenzoic Acid**	Pharmaceuticals.
 **Beta Oxy Naphthoic Acid** Data Sheet AT-302	Pharmaceuticals, dye intermediate.
$C_{17}H_{35}CO_2C_4H_9$ **n-Butyl Stearate** Data Sheet AT-512	Plasticizer, lubricant, textile processing chemical, waterproofing agent, inks.
 **Ortho Chloroaniline** Data Sheet AT-211	Fungicide, dye intermediate.
 **1-Amino Anthraquinone** Data Sheet AT-106	Dye intermediate.

The above is a partial list of the many Fine Chemicals, Chemical Intermediates and Adhesives offered by Koppers. Your inquiries are invited on the availability of these chemicals. Further specific information is available as indicated by Bulletin numbers, which will be sent on request. Also, request Bulletin CD-0-3 for an up-to-date complete listing.

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Chemicals and Dyestuffs Division
Pittsburgh 19, Pennsylvania

KOPPERS®

Eastern District Sales Office
25 McLean Boulevard, Paterson, New Jersey
Telephone: Lambert 5-3400
N.Y.: Longacre 3-7995/6

Middle Atlantic District Sales Office
25 McLean Boulevard, Paterson, New Jersey
Telephone: Lambert 5-3400
N.Y.: Longacre 3-7995/6

Northwest District Sales Office
The Oregon Bank Building, Portland, Oregon
Telephone: Capitol 8-6329

Lake Central District Sales Office
Koppers Building
Pittsburgh 19, Pennsylvania
Telephone: Express 1-3300

South Central District Sales Office
Berman Building, 4101 San Jacinto
Houston 4, Texas
Telephone: Jackson 9-9357

Southwest District Sales Office
2313 East 8th Street, Los Angeles, California
Telephone: Madison 3-4468

Northeast District Sales Office
25 McLean Boulevard, Paterson, New Jersey
Telephone: Lambert 5-3400
N.Y.: Longacre 3-7995/6

Southern District Sales Office
1500 North Graham Street
Charlotte, North Carolina
Telephone: Franklin 6-2741

Midwestern District Sales Office
7101 West 60th Street, Chicago 38, Illinois
Telephone: Ludlow 6-3600

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Trio Chem Works (P)

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Merix Chem Co (P)
Scholler Bros (P)
Warwick Chem Div (P)
Wye Industries (P)

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Wm Diehl & Co
Dow Corning Corp (P)
Dow Chem Co (P)
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Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
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Rohm & Haas Co (P)
Sherwin-Williams Co (P)
►SUN OIL CO (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

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Afta Solvents Corp (P)
B B Chem Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Clarkson Labs (P)
Eastern Color & Chem (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex, Inc (P)
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Minnesota Mining & Mfg Co, Chem Div (P)
Norton Chem Works (P)
Polyvinyl Chems (P)
Reichhold Chems, Inc (P)
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Concord Chem Co (P)
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M Michel & Co (P)
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Emkay Chem Co (P)
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Foremost Food & Chem Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
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►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
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Clarkson Labs (P)
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E F Drew & Co (P)
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B R Elk & Co (P)
Emkay Chem Co (P)
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Flamort Chem Co (P)
Hart Products Corp (P)
Hughes Glue Co (P)
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Scher Bros (P)
Scholler Bros (P)
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Textile Proofers (P)
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Warwick Chem Div (P)
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►METAL & THERMIT CORP (P)
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►VICTOR CHEM WORKS (P)
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Bryant Chem Corp (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
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George Lueders & Co (P)
►MONSANTO CHEM CO (P)
Thompson-Hayward Chem Co

Dominion Products (P)
Felton Chem Co (P)
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Fries & Fries (P)
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►MONSANTO CHEM CO (P)

Felton Chem Co (P)
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Fries & Fries (P)
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Schimmel & Co (P)
R D Webb & Co (P)

FLAVORS, FRUIT, NATURAL

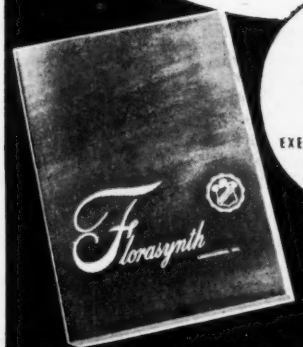
Dodge & Olcott (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
International Flavors & Fragrances (P)
H Kohnstamm & Co (P)
George Lueders & Co (P)

Felton Chem Co (P)
Alex Fries & Bro (P)
Fries & Fries (P)
V & E Kohnstamm, Inc (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
R D Webb & Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

IF IT'S A FLAVOR WE HAVE IT!

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TRUE FRUIT FLAVORS
IMITATION FLAVORS



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For Flavors That Sell...

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417 Rosehill Place, Elizabeth 2, N. J.
Leading Creators and Manufacturers in the World of Flavor

FLAVORS, FRUIT, SYNTHETIC

Dodge & Olcott (P)
Dow Chem Co (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
International Flavors & Fragrances (P)
H Kohnstamm & Co (P)
►ELI LILLY & CO, ELANCO DIV (P)
George Lueders & Co (P)
►S B PENICK & CO (P)

Alpine Aromatics (P)
Descollonges, Inc (P)
Dominion Products (P)
Felton Chem Co (P)
Alex Fries & Bro (P)
Fries & Fries (P)
V & E Kohnstamm, Inc (P)
Lorenz Chem Co (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

FLAVORS, LIQUORS & CORDIALS

Dodge & Olcott (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
International Flavors & Fragrances (P)
H Kohnstamm & Co (P)
George Lueders & Co (P)
►S B PENICK & CO (P)

Dominion Products (P)
Felton Chem Co (P)
Alex Fries & Bro (P)
Fries & Fries (P)
V & E Kohnstamm, Inc (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

FLAVORS, MEAT PACKERS'

Dodge & Olcott (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
H Kohnstamm & Co (P)
►S B PENICK & CO (P)

Felton Chem Co (P)
Alex Fries & Bro (P)
Fries & Fries (P)
Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

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pure and imitation
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805 Failing Building, Portland 4, Ore.

FLAVORS, PHARMACEUTICAL

Dodge & Olcott (P)
Dow Chem Co (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
International Flavors & Fragrances (P)
H Kohnstamm & Co (P)
►ELI LILLY & CO, ELANCO DIV (P)
George Lueders & Co (P)
►S B PENICK & CO (P)

Alpine Aromatics (P)
Dominion Products (P)
Felton Chem Co (P)
Alex Fries & Bro (P)
Fries & Fries (P)
Polarome Mfg Co (P)
Heyden Newport Chem Corp (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

FLAVORS, TOBACCO

Dodge & Olcott (P)
Florasynth Labs (P)
Fritzsche Bros (P)
Givaudan Flavors (P)
International Flavors & Fragrances (P)
►ELI LILLY & CO, ELANCO DIV (P)
George Lueders & Co (P)
►MONSANTO CHEM CO (P)
►S B PENICK & CO (P)

Alpine Aromatics (P)
Felton Chem Co (P)
Alex Fries & Bro (P)
Magnus, Mabee & Reynard (P)
Fries & Fries (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

FLAX SEED see Linseed

FLEASEED see Psyllium Seed

FLEAWORT see Psyllium Seed

FLINT (Flintstone)

Charles B Chrystal Co
Whittaker, Clark & Daniels

Servtex Materials Co (P)

FLOCCULATING AGENTS

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Colloid Co (P)
Bartonite Co (P)
Dow Chem Co (P)
Faesy & Besthoff
General Mills, Chem Div (P)
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Stein Hall & Co (P)

Arnold, Hoffman & Co (P)
Chem-Met Corp (P)
E F Drew & Co (P)
DuBois Co (P)
Foremost Food & Chem Co (P)
B F Goodrich Chem Co (P)
Hodag Chem Co (P)
Inerto Co (P)
Nalco Chem Co (P)
National Starch & Chem Corp (P)
Swift & Co, Adhesive Products Dept (P)

FLOCK, CELLULOSE

Basic Plastic Materials (P)
Composition Materials Co (P)
Puget Sound Pulp & Timber Co (P)

FLOCK, COTTON

Harwick Standard Chem Co

Composition Materials Co (P)
Basic Plastic Materials (P)

FLOCK, WOOD

Composition Materials Co (P)
Basic Plastic Materials (P)

FLORES MARTIS see Iron Chloride (ic)

FLORSPAR see Fluorspar

FLOTATION CHEMICALS

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Armour Industrial Chem Co (P)
Burtonite Co (P)
Dow Chem Co (P)
Emery Industries (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Mills, Chem Div (P)
Hercules Powder Co (P)
Marcus Ruth Jerome Co (P)
M Michel & Co
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
Pennotex Oil Corp (P)
Pennsalt Chems Corp (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►PHILADELPHIA QUARTZ CO (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co (P)
Tennessee Corp (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Colgate-Palmolive Co (P)
Consolidated Water Power & Paper Co (P)
Crowley Tar Products Co (P)
Crown Zellerbach Corp (P)
E F Drew & Co (P)
Foremost Food & Chem Co (P)
Marathon Div (P)
Hagan Chems & Controls (P)
Mearl Chem Corp (P)
Mona Industries (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Rayonier, Inc (P)
Swift & Co, General Soap Dept (P)

FLOWERS OF ANTIMONY see Antimony Trioxide

FLOWERS OF BISMUTH see Bismuth Trioxide

FLOWERS OF ZINC see Zinc Oxide

FLUORANTHENE (Idryl)

Aldrich Chem Co (P)

Edcan Labs (P)

FLUORENE (α-Diphenylenemethane)

Aldrich Chem Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

FLURESCEIN (Resorcinolphthalein, Tetraoxyphthalophenone Anhydride)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Fine Organics (P)
Hilton-Davis Chem Co Div (P)
Pylam Products Co (P)

Dynamic Colors (P)
New York Color & Chem Co (P)
Fred'k H Levey Co (P)
Thomasset Colors (P)

FLUORINE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Pennsalt Chems Corp (P)

FLUORITE see Fluorspar

FLUOROBENZENE

Aldrich Chem Co (P)

Pierce Chem Co (P)

FLUOROCARBONS

Aldrich Chem Co (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Miller-Stephenson Chem Co (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

Halocarbon Products Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)

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1-FLUORO-2,4-DINITROBENZENE

Aero Chem Corp (P)
Aldrich Chem Co (P)
Eastern Chem Corp (P)
K & K Labs (P)
Pierce Chem Co (P)

FLUOROETHANOL

K & K Labs (P)

FLUOROL see Sodium Fluoride

o-FLUOROPHENOL

Aldrich Chem Co (P)
K & K Labs (P)
Beacon Chem Industries (P)
Pierce Chem Co (P)

p-FLUOROPHENOL

Aldrich Chem Co (P)
K & K Labs (P)
Beacon Chem Industries (P)
Pierce Chem Co (P)

o-FLUOROTOLUENE

Aldrich Chem Co (P)
K & K Labs (P)
Pierce Chem Co (P)

p-FLUOROTOLUENE

Aldrich Chem Co (P)
K & K LABS (P)
Pierce Chem Co (P)

FLUORSPAR (Calcium Fluoride, Derbyshire Spar, Fluor, Fluorite, Florspar, Stiliceous Sinter)

Aluminium Limited Sales
Chemical Mfg Co (P)
►HARSHAW CHEM CO
International Selling Corp
Kraft Chem Co
McGean Chem Co
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
►REYNOLDS METALS CO (P)
Foote Mineral Co (P)
Ozark-Mahoning Co (P)
Minerva Oil Co (P)

FLUXES

S L Abbot Co
►ALLIED CHEM CORP, PLASTICS DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
Chemical & Pigment Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fairmount Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
►TITANIUM ALLOY MFG DIV (P)
Geo Callahan & Co (P)
Metals & Controls Inc (P)

FOAMING AGENTS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Carwin Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Florasynth Labs (P)
Glyco Chems (P)
►JEFFERSON CHEM CO (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Process Chems Co (P)
Rohm & Haas Co (P)
Sole Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)
►WITCO CHEM CO (P)
American Alcolac Corp (P)
Ames Labs (P)
Catalin Corp of America (P)
Clarkson Labs (P)
E F Drew & Co (P)
DuBois Co (P)
Eastern States Petroleum & Chem Corp (P)
Emkay Chem Co (P)
Mearl Chem Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
National Polychems (P)
Petrochemicals Co (P)
Procter & Gamble Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Surfact Co (P)
Swift & Co, Adhesive Products Dept (P)
Swift & Co, General Soap Dept (P)
Tanatex Chem Corp (P)
Universal Detergents (P)

FOOL'S GOLD see Pyrites

FORMAL see Methylal

FORMALDEHYDE (Formalin, Formic Aldehyde, Formol, Formalith, Oxymethylene, Methyl Aldehyde, Adorin, Aldoform, Formitrol, Formolyptyol, Festoform, Preservaline, Methanol, Methylene Oxide)

►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
►J T BAKER CHEM CO (P)
►CELANESE CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
J F Henry Chem Co
Hercules Powder Co (P)
Howe & French
Philip A Hunt Co
►JONES CHEMS, INC
E & F King & Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp

(Continued)

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(37% solution)
PARAFORMALDEHYDE
(91% flake, powder)
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(anhydrous)
FORMCEL® SOLUTIONS
(in various alcohols)
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All commercial grades
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from Louisiana, Mo.
and Hercules, Calif.
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INCORPORATED
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Wilmington 99, Del.
GD 61-1





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FORMALDEHYDE (continued)

►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Riches-Nelsen, Inc
Rohm & Haas Co (P)
Schelle Chem Corp
E M Sergeant Pulp & Chem Co
J U Starkweather Co
Thompson-Hayward Chem Co (P)
George Uhe Co
Union Carbide Chems Co (P)
Valchem

Borden Chem Co (P)
Hachik Bleach Co (P)
Heyden Newport Chem Corp (P)
Reichhold Chems, Inc (P)
Spencer Chem Co (P)
Trojan Powder Co (P)

FORMALIN see Formaldehyde

FORMAMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fisher Scientific Co (P)
Stoney-Mueller, Inc

Brothers Chem Co (P)

FORMANILIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)

FORMIN see Hexamethylenetetramine

FORMITROL see Formaldehyde

FORMOL see Formaldehyde

FORMONITRILE see Acid, Hydrocyanic

FORMYL TRICHLORIDE see Chloroform

FORMYL TRIIODIDE see Iodoform

FOSSIL FLOUR see Diatomite

FOSSOLIN see Petrolatum

FRANKFORT BLACK see Drop Black

FRANKINCENSE see Olibanum

FRAUDE'S REAGENT see Acid, Perchloric

FRENCH SAFFRON see Saffron, Spanish

FRUCTOSE (Levulose)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dawe's Labs (P)
Eastern Chem Corp (P)
Henley & Co
Pfanstiehl Labs (P)

FRUIT SUGAR see Fructose

FUCHSIN (Basic Fuchsin; Magenta)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pylam Products Co (P)

New York Color & Chem Co (P)
Standard Ultramarine & Color Co (P)

FULLER'S EARTH

American Colloid Co
Charles B Chrystal Co
Fisher Scientific Co
Floridin Co (P)
►HARSHAW CHEM CO
►McKESSON & ROBBINS, CHEM DEPT
L A Salomon & Bro
Tamms Industries
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels

Magnet Cove Barium Corp (P)
Illinois Minerals Co (P)

FULLING COMPOUNDS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Maher Color & Chem Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►NOPCO CHEM CO (P)

E F Drew & Co (P)
Standard Chem Products (P)
Mona Industries (P)
Swift & Co, General Soap Dept (P)

FUMARYL CHLORIDE

Borden Chem Co (P)

FUMIGANTS

►AMERICAN POTASH & CHEM CORP
Chempar Chem Co (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT (P)
Michigan Chem Corp (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►SHELL CHEM CO (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)

Cardinal Chem Co (P)
Heyden Newport Chem Corp (P)
Miller Chem & Fertilizer Corp (P)
Montrose Chem Co (P)
Ortho Div (P)
Whitmoyer Labs (P)
Woodbury Chem Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

MONSANTO

FORMALDEHYDE

Standard Form:
A 37% aqueous solution inhibited with methanol 42% and 44% also available

Specification:
Clear and free of foreign sediment; color not greater than 5 APHA; specific gravity 1.0900-1.1136 (depending on methanol content); assay 37.0% (42% and 44% also available) by weight, minimum; acidity no greater than 6.5 equivalents per million (.03% as formic acid); iron no greater than 1 part per million; methanol 0 to 4% (methanol-free) and 6 to 9% (inhibited)

Containers:
Tank trucks, drums (55 gal.), tank cars

Shipping Classification:
Rail, motor truck

For technical data, write
Dept. 1750, MONSANTO CHEMICAL CO., Plastics Division, Springfield 2, Massachusetts

Monsanto

LOOK TO CARBIDE FOR

ALDEHYDES

- Formaldehyde
- Acetaldehyde
- Paraldehyde
- Propionaldehyde
- Acrolein
- Methacrolein

and others

Immediate shipment in any quantity from our plants, bulk storage facilities, and warehouses across the nation.

For information, write or call

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Division of UNION CARBIDE Corporation
270 Park Ave., New York 17, N. Y.

fmc
FOOD MACHINERY AND CHEMICAL CORPORATION

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Grain, Mill and Spot

ETHYLENE DIBROMIDE
CARBON TETRACHLORIDE
CARBON DISULFIDE
ETHYLENE DICHLORIDE

NON-COMBUSTIBLE AND VERY LOW FLAMMABILITY TYPES

ALL POPULAR MIXTURES IMMEDIATELY AVAILABLE

Custom-Mixed Grain Fumigants and Solvent Formulations Available on Request

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SO. CHARLESTON, W. VA.

FUNGICIDES, FOLIAGE

Chempar Chem Co (P)
W A Cleary Corp (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
Gane's Chem Works (P)
International Selling Corp
Metalsalts Corp (P)
Pennsalt Chems Corp (P)
Republic Chem Corp
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
►STAUFFER CHEM CO (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Wood Ridge Chem Corp (P)

Chemical Insecticide (P)
Guardian Chem Corp (P)
Hayes-Sammons Chem Co (P)
Miller Chem & Fertilizer Corp (P)
Miller Products Co (P)
Naico Chem Co (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
Puget Sound Pulp & Timber Co (P)
Triangle Chem Co (P)
Velsicol Chem Corp (P)

FUNGICIDES, LEATHER

Antara Chems Div (P)
W A Cleary Corp (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
International Selling Corp
Maher Color & Chem Co (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
►ONYX CHEM CORP (P)
Rohm & Haas Co (P)
Treplow Chem Co (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Wood Ridge Chem Corp (P)

Barlow Chem Corp (P)
Buckman Labs (P)
Ferro Chem Div (P)
Frontier Chem Co (P)
Kaysing Corp (P)
Heyden Newport Chem Corp (P)
Royce Chem Co (P)
Troy Chem Co (P)
R T Vanderbilt Co (P)

FUNGICIDES, LUMBER

W A Cleary Corp (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
International Selling Corp
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
Republic Chem Corp (P)
Roberts Chems, Inc (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Wood Ridge Chem Corp (P)

Barlow Chem Corp (P)
Chapman Chem Co (P)
Chemical Compounding Corp (P)
Ferro Chem Div (P)
Metalead Products Corp (P)
Norton Chem Works (P)
Scientific Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Triangle Chem Co (P)
Troy Chem Co (P)
R T Vanderbilt Co (P)

FUNGICIDES, PAINT

Antara Chems Div (P)
W A Cleary Corp (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
International Selling Corp
Kraft Chem Co
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
Republic Chem Corp (P)
Smith Chem & Color Co
Sindar Corp (P)
Thompson-Hayward Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Wood Ridge Chem Corp (P)

Advance Solvents & Chem Div (P)
Buckman Labs (P)
Ferro Chem Div (P)
Guardian Chem Corp (P)
Key Chem Corp (P)
Heyden Newport Chem Corp (P)
Norton Chem Works (P)
Scientific Chems (P)
Troy Chem Co (P)
R T Vanderbilt Co (P)

FUNGICIDES, SEED

Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
International Selling Corp
Metalsalts Corp (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)
Rohm & Haas Co (P)
H P Rossiger & Co (P)
►STAUFFER CHEM CO (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Wood Ridge Chem Corp (P)

Buckman Labs (P)
Chipman Chem Co (P)
Guardian Chem Corp (P)
Hayes-Sammons Chem Co (P)
Heyden Newport Chem Corp (P)
Miller Chem & Fertilizer Corp (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
R T Vanderbilt Co (P)
Velsicol Chem Corp (P)
Wallerstein Co (P)

FUNGICIDES, TEXTILE

Antara Chems Div (P)
W A Cleary Corp (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
International Selling Corp
Maher Color & Chem Co (P)
Metalsalts Corp (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
►ONYX CHEM CORP (P)
Republic Chem Corp (P)
Roberts Chems, Inc (P)
Rohm & Haas Co (P)
Sindar Corp (P)
Treplow Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Amalgamated Chem Corp (P)
Barlow Chem Corp (P)
Buckman Labs (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Ferro Chem Div (P)
Guardian Chem Corp (P)
Hart Products Corp (P)
Heyden Newport Chem Corp (P)
Joy Chem Inc (P)
Kaysing Corp (P)
Key Chem Corp (P)
Metro-Atlantic, Inc (P)
Norton Chem Works (P)
Pfister Chem Works (P)
Pierce Chem Co (P)
Royce Chem Co (P)
Scientific Chems (P)
Scholler Bros (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)
R T Vanderbilt Co (P)

FUNGICIDES, TURF

Chempar Chem Co (P)
W A Cleary Corp (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
International Selling Corp
Faesy & Besthoff
Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)
►STAUFFER CHEM CO (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Wood Ridge Chem Corp (P)

Miller Chem & Fertilizer Corp (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Ortho Div (P)
Puget Sound Pulp & Timber Co (P)
Stieh Chems Inc (P)
Triangle Chem Co (P)
R T Vanderbilt Co (P)

FURAN (Furfuran, Tetrole)

►DU PONT, ELECTROCHEMS DEPT (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

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(N. J.) HA 7-6000

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co (P)
►QUAKER OATS CO (P)

FURFURALDEHYDE see Furfural

FURFUROL see Furfural

FURFURYL ALDEHYDE see Furfural

FURYL CARBINOL see Alcohol, Furfuryl

G

GADOLINIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

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Alvares-Torner Corp
►AMERICAN POTASH & CHEM CORP (P)
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►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)
Var-Lac-Old Chem Co (P)
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Research Chems (P)

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Fairmount Chem Co (P)
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Millmaster Chem Corp (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)
Pilot Chems, Inc (P)

GADOLINIUM-SAMARIUM SALTS see Samarium-Gadolinium Salts

GALL EXTRACT see Nutgall Extract

GALLIUM, METAL

►ACETO CHEM CO (P)
Belmont Smelting & Refining Works (P)
Browning Chem Corp
City Chem Corp
Fairmount Chem Co (P)
Fisher Scientific Co
International Salting Corp
Kawecki Chem Co (P)
►MONSANTO CHEM CO (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Aluminum Co of America (P)
Bram Metallurgical-Chem Co (P)
Eagle-Picher Co (P)
Indium Corp of America (P)
Metals & Controls Inc (P)

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Kawecki Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Aluminum Co of America (P)
Bram Metallurgical-Chem Co (P)
Chemical Commerce (P)
Eagle-Picher Co (P)
Xanthippe Chems (P)

GALLS see Nutgalls

GARNET LAC see Shellac

GAS BLACK see Carbon Black

GAS, NATURAL

Cabot Corp (P)
►MONSANTO CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

Delhi-Taylor Oil Corp (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
United Fuel Gas Co (P)

GAS, OLEFIANT see Ethylene

GASES, COMPRESSED

Diamond Alkali Co (P)
Esso Standard Oil (P)
Phillips Petroleum Co, Special Products Div (P)

Air Reduction Sales Co (P)
Bram Metallurgical-Chem Co (P)
Cardox Div (P)
Thomas A Edison Industries, Medical Gas Div (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Matheson Co (P)
United Fuel Gas Co (P)
Xanthippe Chems (P)

GASES, LABORATORY

Phillips Petroleum Co, Special Products Div (P)

Air Reduction Sales Co (P)
Bio-Rad Labs (P)
Matheson Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Xanthippe Chems (P)

GASOLINE, NATURAL

Cabot Corp (P)
►MONSANTO CHEM CO (P)

Socony Mobil Oil Co (P)
United Fuel Gas Co (P)

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Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►JEFFERSON CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)

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Dow Chem Co (P)
Fisher Scientific Co (P)

Hagan Chems & Controls (P)

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Burtonite Co (P)
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T M Duche & Sons, Uni-Gum Div (P)
William E Phillips Inc
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Peter Cooper Corps (P)
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Madison Glue Corp (P)
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United Chem & Organic Products (P)
J O Whitten Co Inc (P)

GENTIAN

Meer Corp (P)

Dye Specialties (P)
Prentiss Drug & Chem (P)

GENTIAN VIOLET see Methyl Violet

GERANIOL

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Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)
Felton Chem Co (P)
Rhodia, Inc (P)
Schimmel & Co (P)
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Florasynth Labs
Fritzsche Bros (P)
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Fritzsche Bros (P)
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Schimmel & Co (P)

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Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)

Felton Chem Co (P)
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Schimmel & Co (P)
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Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Eagle-Picher Co (P)
Metals & Controls Inc (P)
Sylvania Elec Products (P)
Xanthippe Chems (P)

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Fairmount Chem Co (P)
Fisher Scientific Co (P)
Kawecki Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

Eagle-Picher Co (P)
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GERMANTOWN BLACK see Lampblack

GERMANIUM SALTS

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Kawecki Chem Co (P)
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Var-Lac-Old Chem Co (P)

Eagle-Picher Co (P)
Xanthippe Chems (P)

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Armour Industrial Chem Co (P)
Dow Chem Co (P)
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Hilton-Davis Chem Co Div (P)
Intex Chem Corp (P)
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(Continued)

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QO FURFURYL ALCOHOL	
Yellow liquid B.P. (pure) 760 mm, 170° C.	9, 45 lb. Cans 500 lb. Drums (net), Tank cars
QO TETRAHYDROFURFURYL ALCOHOL	
Clear, colorless liquid B.P. (pure) 743 mm, 177.5° C.	8, 40 lb. Cans 475 lb. Drums (net), Tank cars
QO LEVULINIC ACID	
Clear yellow liquid at 40° C. M.P. (pure) 33-35° C.	8, 45 lb. Cans 500 lb. Drums (net)
QO FURAFIL	
Brown pulverized solid consisting principally of modified cellulose and lignin.	Carloads Bags or Bulk
QO DIHYDROPYRAN	
Colorless liquid B.P. (pure) 760 mm, 84.3° C.	7, 35 lb. Cans 400 lb. Drums (net)

The Quaker Oats Company
CHEMICALS DIVISION
QO CHEMICALS

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Kaysing Corp (P)
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GIBBSITE see Bauxite

GILDER'S WHITING see Whiting

GILSONITE

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Crowley Tar Products Co (P)
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GIRARD'S REAGENTS

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Fairmount Chem Co (P)
Fisher Scientific Co
Millmaster Chem Corp (P)
Andor Labs (P)

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GLASS, POWDERED see Ground Glass

GLASSMAKERS' SOAP see Manganese Dioxide

GLAUBER'S SALT see Sodium Sulfate, Hydrated

GLOBALINE see Tetraglycine Hydroperiodide

GLUCINUM COMPOUNDS see Beryllium Compounds

GLUCONATES

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►S B PENICK & CO, NYQ CHEM DIV (P)
Pfanstiehl Labs
Chas Pfizer & Co (P)
Fermco Labs (P)
Premium Chems (P)
Winthrop Labs (P)

d-GLUCONOLACTONE

Dawe's Labs (P)
►McKESSON & ROBBINS, CHEM DEPT
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d-GLUCOSE see Dextrose

GLUCOSE SYRUP see Corn Syrup

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Eastern Color & Chem Co (P)

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Morningstar-Paisley, Inc (P)
Perkins Glue Co (P)
Rogers Isinglass & Glue Co (P)
Swift & Co, Adhesive Products Dept (P)
United Chems & Organic Products (P)

l-GLUTAMINE

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►INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV (P)
Pfanstiehl Labs (P)
Schwarz BioResearch (P)

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Aldrich Chem Co (P)
►SHELL CHEM CO (P)
Union Carbide Chems Co (P)

GLUTATHIONE

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Schwarz BioResearch (P)

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Aldrich Chem Co (P)
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Columbian Carbon Co
Darling & Co (P)
Dow Chem Co (P)

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Fisher Scientific Co (P)
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Lever Bros Co (P)
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Millmaster Chem Corp
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GLYCERINE MONOACETATE see Acetin

GLYCEROL see Glycerine

GLYCEROL DICHLOROHYDRIN

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Atlas Chem Industries, Chems Div (P)

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C P Hall Co (P)
Hodag Chem Corp (P)

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Kessler Chem Co (P)
►NOPCO CHEM CO (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

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Carlisle Chem Works (P)
E F Drew & Co (P)
Eastern Color & Chem (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)

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Distillation Products Industries (P)
Emery Industries (P)
Glyco Chems (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
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Carlisle Chem Works (P)
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Carlisle Chem Works (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Pacific Vegetable Oil Corp (P)

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Distillation Products Industries (P)
Fisher Scientific Co
Glyco Chems (P)
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
Kessler Chem Co (P)
M Michel & Co (P)
Millmaster Chem Corp
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp (P)
J U Starkweather Co
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►WITCO CHEM CO (P)

Carlisle Chem Works (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)
Northwestern Chem Co (P)
Pennsylvania Refining Co (P)

GLYCEROL SORBITAN LAURATE

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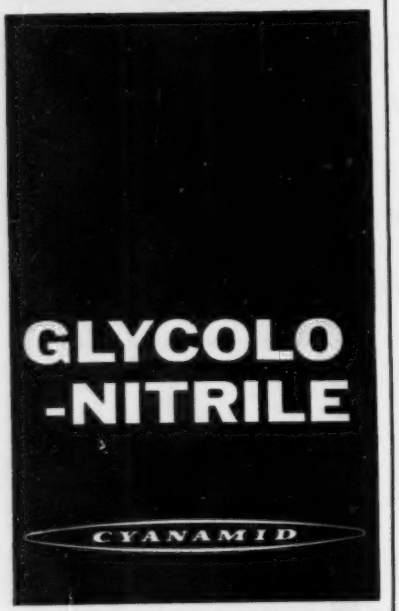
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Kessler Chem Co (P)
J U Starkweather Co
►WILSON-MARTIN (DIV WILSON & CO) (P)

Carlisle Chem Works (P)
E F Drew & Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Werner G Smith, Inc (P)

GLYCEROL TRIRICINOLEATE

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Hodag Chem Corp (P)

GLYCEROL TRISTEARATE see Stearin

GLYCIDOL (2,3-Epoxy-1-Propanol)

Roberts Chems, Inc (P)
Ott Chem Co (P)

GLYCINE (Aminoacetic Acid, Glycocoll)

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Dow Chem Co (P)
Eastern Chem Corp (P)
Fisher Scientific Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Pfanstiehl Labs (P)
Rebeco Chems
Roselle Labs (P)

GLYCINE ETHYL ESTER HYDROCHLORIDE see Ethyl Glycine Hydrochloride

GLYCOCOLL see Glycine

GLYCOL see Ethylene Glycol

GLYCOL DIACETATE see Ethylene Glycol Diacetate

GLYCOLONITRILE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)

GLYCOL PHTHALATE see Diethylene Glycol Phthalate

GLYCOL RICINOLEATE see Diethylene Glycol Monoricinoleate

GLYCOL SALICYLATE see Ethylene Glycol Monosalicylate

GLYCOLS, ETHYLENE & PROPYLENE, MIXED

Dow Chem Co (P)
Union Carbide Chems Co (P)
Allied Industrial Products Co (P)
C P Hall Co (P)

GLYCOLS, POLYALKYLENE—see also Polyethylene Glycols

►ALLIED CHEM CORP, NITROGEN DIV
Dow Chem Co (P)
Fisher Scientific Co
►JEFFERSON CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
C P Hall Co (P)

GLYCOLS, POLYETHYLENE see Polyethylene Glycols

GLYOXAL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

GLYOXAL SODIUM BISULFITE

Fairmount Chem Co (P)

GOLD CHLORIDE (Auric Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
Mallinckrodt Chem Works (P)
RSA Corp (P)
L E Simmons Refining Co (P)
Var-Lac-Old Chem Co (P)
Chemical Commerce (P)
Engelhard Industries (P)
Xanthippe Chems (P)
Williams Gold Refining Co (P)

GOLD CYANIDE (Auric Cyanide)

Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
Engelhard Industries (P)
Xanthippe Chems (P)
Williams Gold Refining Co (P)

GOLD ORANGE see Methyl Orange

GOLD-POTASSIUM CHLORIDE

Chemical Commerce (P)
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
Var-Lac-Old Chem Co (P)
Chemical Commerce (P)
Engelhard Industries (P)

GOLD-POTASSIUM CYANIDE

Fisher Scientific Co
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
Engelhard Industries (P)

GOLD POWDER

►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
L E Simmons Refining Co (P)
Var-Lac-Old Chem Co

Atlantic Powdered Metals (P)
Bram Metallurgical-Chem Co (P)
Gold Leaf & Metallic Powders (P)
Chemical Commerce (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)
Williams Gold Refining Co (P)

GOLD-SODIUM CHLORIDE (Gold Salts, Sodium Aurodichloride)

Goldsmith Bros Div (P)
Var-Lac-Old Chem Co (P)

Chemical Commerce (P)
Engelhard Industries (P)
Metals & Controls Inc (P)

GOULARD'S POWDER see Lead Acetate, Basic

GRAHAM'S SALT see Sodium Hexa-m-Phosphate

GRAMINE (Donaxine)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Krishell Labs (P)
Winthrop Labs (P)

GRAPE SUGAR see Dextrose

GRAPHITE (Plumbago, Black Lead, Mineral Carbon)

Fisher Scientific Co
International Selling Corp

Asbury Graphite Mills (P)
Becker Bros Carbon Co (P)
Carbon Products Co (P)
International Graphite & Electrode Div (P)
Kano Labs (P)
Los Angeles Chem Co (P)
Magnet Cove Barium Corp (P)
National Carbon Co (P)
Stackpole Carbon Co (P)

GRAPHITE, COLLOIDAL

Pfaltz & Bauer, Inc

Acheson Colloids Co (P)
Asbury Graphite Mills (P)
Renite Co (P)

GRAY ACETATE see Calcium Acetate

GREASE BASES

►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)

Advance Solvents & Chem Div (P)
Baroid Chems (P)
Foote Mineral Co (P)
Franklin Oil Corp (P)
Madison Glue Corp (P)
Shell Oil Co (P)

GREASES, ANTI-RUST

American Oil & Supply Co (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
►MONSANTO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)

Atlantic Refining Co (P)
Eureka Chem Co (P)
Franklin Oil Corp (P)
Kano Labs (P)
Lehigh Chem Co (P)
New York & New Jersey Lubricant Co (P)
Pro-Chem, Inc (P)
Rex Oil & Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
White & Bagley Co (P)
W A Wood Co (P)

GREASES, FLUOROCARBON

Halocarbon Products Corp (P)
Lehigh Chem Co (P)
Madison Glue Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)

GREASES, SILICONE

Dow Corning Corp (P)
General Elec Co, Silicone Products (P)

Hodag Chem Corp (P)
E F Houghton & Co (P)
Lehigh Chem Co (P)
Shell Oil Co (P)

GREASES, WATERPROOFING

American Oil & Supply Co (P)
Dow Corning Corp (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)

Eureka Chem Co (P)
Franklin Oil Corp (P)
Shell Oil Co (P)

GREASES, WOOL

Croda, Inc (P)
Esso Standard Oil (P)
Rohoco Chems

Lanaetex Products (P)
Madison Glue Corp (P)
Robinson Wagner Inc (P)
Socony Mobil Oil Co (P)
Arthur C Trask Co (P)

GREEN CINNABAR see Chromium Oxide

GREEN COPPERAS see Iron Sulfate (ous)

GREEN VERDIGRIS see Copper Acetate, Basic

GREEN VITRIOL see Iron Sulfate (ous)

GREENLAND SPAR see Cryolite, Natural

GREENOCKITE see Cadmium Sulfide

GRIGNARD REAGENTS

Ansul Chem Co (P)
Arapahoe Chems (P)
►METAL & THERMIT CORP (P)
Millmaster Chem Corp (P)
William E Phillips Inc

Nepera Chem Co (P)
Thomasset Colors (P)
Peninsular ChemResearch (P)

GROUND GLASS (Powdered Glass)

Charles B Chrystal Co
Fisher Scientific Co
►HARSHAW CHEM CO
Whittaker, Clark & Daniels

GROUND-NUT OIL see Oil, Peanut

GUAIACOL (Methylcatechol, o-Methoxyphenol)

Interstate Chem Corp
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

Heyden Newport Chem Corp (P)

GUAIACOL CARBONATE (Duotal)

►R W GREEFF & CO
►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)

Heyden Newport Chem Corp (P)
Tennant Chem Div (P)

GUAIACOL GLYCERYL ETHER see Ether, Guaiacol Glyceryl

GUAIAC RESIN see Gum, Guaiac

GUANIDINE CARBONATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Gallard-Schlesinger Chem Mfg Corp
►R W GREEFF & CO
Maumee Chem Co (P)
Riches-Nelson, Inc
Samincorp

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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ARAPAHOE (Trade Mark)

GRIGNARD REAGENTS
(RMgX)

for application in hormone and vitamin chemistry, in allied drug production, in special insecticides, etc.

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GRIGNARD REAGENTS IN ETHYL ETHER: The n-Butyl and the Ethyl Chlorides, the Ethyl, Methyl, and Phenyl Bromides, and the Methyl Iodide.

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WIRE
SOLDER
ANODES
Any Karat, All Colors

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GOLD SALTS
GOLD CHLORIDE
SODIUM GOLD CYANIDE
POTASSIUM GOLD CYANIDE

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►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Distillation Products Industries (P)
Fisher Scientific Co
Gallard-Schlesinger Chem Mfg Corp
Samincorp

New York Color & Chem Co (P)

GUANIDINE NITRATE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Gallard-Schlesinger Chem Mfg Corp
Samincorp

GUANINE (2-Amino-6-Oxypurine)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Mearl Corp
Rona Pearl Corp (P)

Krishell Labs (P) Schwarz BioResearch (P)

GUHR see Diatomite

GUM, ACCROIDES (Yacca Gum, Xanthorrhea Resin, Red Gum, Yellow Gum, Gumtree)

Colony Import & Expert Corp
O G Innes Corp

GUM ALGINATES

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HYDROPHYLIC COLLOIDS
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ALGINATES
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IRISH MOSS EXTRACTS
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Colony Import & Expert Corp (P)
Creda, Inc
T M Duche & Sons, Uni-Gum Div (P)
►S B PENICK & CO
Stein Hall & Co

Edward Mendell Co (P) Tragacanth Corp (P)

GUM AMMONIAC

►S B PENICK & CO

GUM, ANIMI see Gum, Copal

GUM ARABIC (Acacia Gum, Senegal Gum)

Colony Import & Expert Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
Fisher Scientific Co
Florasynth Labs
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Meer Corp (P)
Republic Chem Corp
J U Starkweather Co
Stein Hall & Co (P)

Arnold, Hoffman & Co (P) Prentiss Drug & Chem Co (P)
Hart Products Corp (P) Tragacanth Corp (P)
Hathaway Allied Products (P) Jacques Wolf & Co (P)
Morningstar-Paisley (P)

GUM, BATU

O G Innes Corp

Felton Chem Co (P) Morningstar-Paisley (P)

GUM, BENJAMIN see Gum, Benzoin

GUM, BENZOIN (Benjamin Gum, Styrax Benzoin, Benzoin Resin)

Florasynth Labs
Fritzsche Bros
George Lueders & Co
Meer Corp (P)
►S B PENICK & CO

Hathaway Allied Products (P) Prentiss Drug & Chem (P)

GUMS, BOOT & SHOE

Midland Adhesive & Chem Corp (P) Morningstar-Paisley, Inc (P)

GUM, BRITISH see Dextrin

GUM CAMPHOR see Camphor, Natural

GUM, CATECHU see Cutch

GUM, COLORING see Gum, Gamboge

GUM, CONGO (Congo Copal, Hard Copal, Copal Resin, Cowrie, Kauri)

O G Innes Corp

GUM, CONGO, FUSED

O G Innes Corp

Reichhold Chems, Inc (P)

GUM, COPAL (Soft Copal, Resin Copal, Animé)

Acme Shellac Products Co
O G Innes Corp

Reichhold Chems, Inc (P)

GUM, DAMMAR (Resin Damar, Dammar)

T M Duche & Sons, Uni-Gum Div (P)
Fisher Scientific Co
O G Innes Corp
Pennotex Oil Corp (P)

GUM DRAGON see Gum, Tragacanth

GUM, EAST INDIA

O G Innes Corp

GUM, ELEMI (Canarium, Manila Elemi)

O G Innes Corp
Meer Corp (P)

Felton Chem Co (P)

GUM GAMBIR see Gambir

GUMS, ESTER

►ALLIED CHEM CORP, PLASTICS DIV (P)
Hercules Powder Co (P)

Archer-Daniels-Midland Co (P) Reichhold Chems, Inc (P)
C J Osborn Co (P) A E Staley Mfg Co (P)

GUM, GAMBOGE (Coloring Gum, Cambogia, Gummi Guttal)

Meer Corp (P)
►S B PENICK & CO

GUM, GHATTI

Colony Import & Expert Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
Fisher Scientific Co
Meer Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Hathaway Allied Products (P) Morningstar-Paisley, Inc (P)
Tragacanth Corp (P)

GUM, GUAIAC (Guaiacum, Guaiac Resin)

Fisher Scientific Co
►S B PENICK & CO

Hathaway Allied Products (P)

GUM, GUAR

Burtonite Co (P)
Colony Import & Expert Corp
T M Duche & Sons, Uni-Gum Div (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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General Mills, Specialty Products Div (P)
►McKESSON & ROBBINS, CHEM DEPT
Meer Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Hathaway Allied Products (P)
Morningstar-Paisley, Inc (P)
Tragacanth Corp (P)

GUM, HOG see Gum, Tragacanth

GUM, INDIAN see Gum, Karaya

GUM, JUNIPER see Gum, Sandarac

GUM, KARAYA (Indian Gum, Kadaya Gum)

Colony Import & Export Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
►McKESSON & ROBBINS, CHEM DEPT
Meer Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Hathaway Allied Products (P)
Prentiss Drug & Chem Co (P)
Morningstar-Paisley, Inc (P)
Tragacanth Corp (P)
Jacques Wolf & Co (P)

GUM, KINO

►S B PENICK & CO

Hathaway Allied Products (P)

GUM LAC see Shellac

GUMS, LACQUER

O G Innes Corp

GUM, LOCUST BEAN (Tragasol)

Burtonite Co (P)
Colony Import & Export Corp
T M Duche & Sons, Uni-Gum Div (P)
Meer Corp (P)
►S B PENICK & CO
H P Rossiger & Co
Stein Hall & Co

Jacques Wolf & Co (P)
Morningstar-Paisley, Inc (P)
Hathaway Allied Products (P)
Tragacanth Corp (P)

GUM, MACASSAR see Agar

GUM, MANILA (Manila)

Acme Shellac Products Co
O G Innes Corp

Morningstar-Paisley, Inc (P)

GUM, MASTIC (Mastiche, Mastix, Pistachia Galls)

O G Innes Corp
International Flavors & Fragrances (P)
►S B PENICK & CO

Hathaway Allied Products (P)
Morningstar-Paisley, Inc (P)

GUM, MYRRH (Herrabol Myrrh)

International Flavors & Fragrances (P)
Meer Corp (P)
►S B PENICK & CO

Hathaway Allied Products (P)
Felton Chem Co (P)

GUM, OLIBANUM

Dodge & Olcott
International Flavors & Fragrances (P)
Meer Corp (P)
►S B PENICK & CO

Hathaway Allied Products (P)
Felton Chem Co (P)

GUM, OPOPANAX

International Flavors & Fragrances (P)
Meer Corp (P)
►S B PENICK & CO

Felton Chem Co (P)

GUMS, PAPERBOX & ENVELOPE

Stein Hall & Co (P)

Adhesive Products Corp (P)
Industrial Chem Specialties Co (P)
Industrial Adhesive Co (P)
Midland Adhesive & Chem Corp (P)
Morningstar-Paisley (P)
National Starch & Chem Corp (P)

GUM, PONTIANAK

O G Innes Corp

GUM, RED see Gum, Accroides

GUM ROSIN see Rosin, Gum

GUM, SANDARAC

O G Innes Corp
►S B PENICK & CO

Hathaway Allied Products (P)

GUM, SENEGAL see Gum Arabic

GUM, SHIRAZ

Colony Import & Export Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Morningstar-Paisley (P)
National Starch & Chem Corp (P)
Tragacanth Corp (P)
Jacques Wolf & Co (P)

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NATURAL GUMS

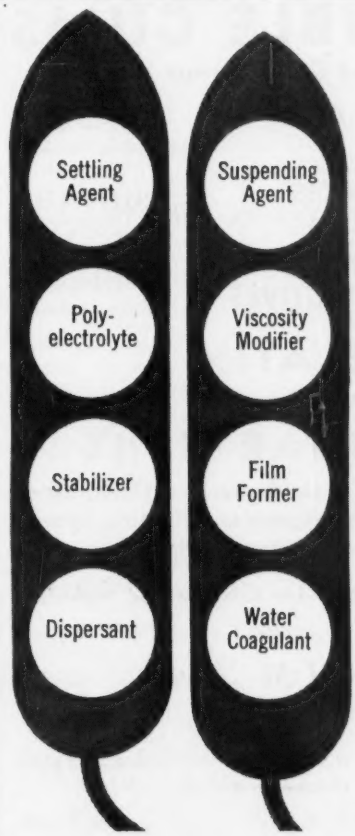
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General Mills
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WATER SOLUBLE

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TRAGACANTH
LOCUST BEAN
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GUAR

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Importers & Processors
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Colony Import & Export Corp.
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NEW YORK 17, N. Y.
Telephone: MUrray Hill 2-3160

GUM, STARCH see Dextrin

GUM, STYRAX (Storax)

Fritzsche Bros
International Flavors & Fragrances (P)
George Lueders & Co
Meer Corp (P)
►S B PENICK & CO

Hathaway Allied Products (P) — Felton Chem Co (P)

GUMS, SYNTHETIC

Dow Chem Co (P)
General Elec Co, Silicone Products (P)
►NOPCO CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

Alco Oil & Chem Corp (P)
Alkydol Labs (P)
Hart Products Corp (P)
Joy Chem Inc (P)
Morningstar-Paisley, Inc (P)
Wica Chems (P)

GUMS, TEXTILE PRINTING

Croda, Inc
Hercules Powder Co (P)
Maher Color & Chem Co (P)
Meer Corp (P)
►S B PENICK & CO
Rumford Chem Works (P)
Stein Hall & Co (P)

Bryant Chem Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Hart Products Corp (P)
Edward Mendell Co (P)
Metro-Atlantic, Inc (P)
Morningstar-Paisley, Inc (P)
Royce Chem Co (P)
Scher Bros (P)
Titan Chem Products (P)
Tragacanth Corp (P)
Jacques Wolf & Co (P)

GUM, THUS see Olibanum

GUM, TRAGACANTH (Hog Gum, Gum Dragon)

►BERKSHIRE CHEMS INC
Colony Import & Export Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
Fisher Scientific Co
Florasynth Labs
►McKESSON & ROBBINS, CHEM DEPT
Meer Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Arnold, Hoffman & Co (P)
Hathaway Allied Products (P)
Morningstar-Paisley (P)
Tragacanth Corp (P)
Jacques Wolf & Co (P)

GUMTREE see Gum, Accroides

GUM TERPENTINE see Turpentine Gum

GUMS, VARNISH

O G Innes Corp

Morningstar-Paisley, Inc (P)
Industrial Adhesive Co (P)

GUM, VEGETABLE see Dextrin

GUMS, WATER-SOLUBLE

Algin Corp of America (P)
Burtonite Co (P)
Colony Import & Export Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
Meer Corp (P)
►S B PENICK & CO
Stein Hall & Co (P)

Bryant Chem Corp (P)
Hart Products Corp (P)
Hathaway Allied Products (P)
Edward Mendell Co (P)
Midland Adhesive & Chem Corp (P)
Morningstar-Paisley, Inc (P)
Jacques Wolf & Co (P)

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WATER SOLUBLE GUMS

Thickeners, Binders and Gelling Agents

GUM ARABIC
GUM KARAYA
GUM LOCUST BEAN
GUM TRAGACANTH

AGAR AGAR
ALGINATES
IRISH MOSS EXTRACTIVES

UNI-GUAR
Cold Soluble Thickeners

UNI-AGA
Gelling Agents

UNI-LOID
Stabilizers

EDIBLE GELATIN
All Grades

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Our trained technicians are available for assistance in applications of Water Soluble Gums, Thickeners, Gelling Agents and Binding Agents. All products rigidly standardized and laboratory controlled.

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Soden Chemicals Division
Toronto Montreal

GUM, YACCA see Gum, Accroides

GUM, YELLOW see Gum, Accroides

GUNCOTTON see Nitrocellulose

GYPSUM (Alabaster, Gypsite, Selenite, Satin Spar)—see also Terra Alba

Charles B Chrystal Co
►FMC CORP, MINERAL PRODUCTS DIV (P)
Fisher Scientific Co (P)
►McKESSON & ROBBINS, CHEM DEPT
L A Salomon & Bro
Smith-Douglass Co (P)
Charles A Wagner Co
Whittaker, Clark & Daniels

Bestwall Gypsum Co (P)
W A Hammond Drierite (P)
National Gypsum Co (P)
Olin Mathieson Chem Corp, Plant Food (P)
United States Gypsum (P)

GYPSUM, CALCINED see Calcium Sulfate, Hemihydrate

H

HAFNIUM, METAL

Conray Products Co
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Foote Mineral Co (P)
Metals & Controls Inc (P)
Nuclear Materials & Equipment Corp (P)

HAFNIUM OXIDE

Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Nuclear Materials & Equipment Corp (P)

HALAZONE (p-Sulfondichloroaminobenzoic Acid)

►ABBOTT LABS (P)

HALOCARBONS

►DU PONT, "FREON" PRODUCTS DIV (P)
Halocarbon Products Corp (P)

HANSA YELLOW

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
H Kohnstamm & Co (P)
Sherwin-Williams Co (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Imperial Color Chem & Paper Dept (P)
Holland Color & Chem (P)
Keystone Color Works (P)
Magruder Color Co (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)
Western Dry Color Co (P)

HARDENERS, PHOTOGRAPHIC

Philip A Hunt Co (P)
Mallinckrodt Chem Works (P)

Heyden Newport Chem Corp (P)
National Research & Chem Co (P)

HARDWOOD TAR see Tar, Wood

HARTSHORN see Ammonium Carbonate

HEAT-TRANSFER MEDIA

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co (P)
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Esso Standard Oil (P)
Fisher Scientific Co (P)
General Elec Co, Silicone Products (P)
►HOOKER CHEM CORP (P)
►JEFFERSON CHEM CO (P)
►MONSANTO CHEM CO
Olin Mathieson Chem Corp, Organic Chems (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)

Archer-Daniels-Midland Co (P)
Socony Mobil Oil Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)

HEAT-TRANSFER SALTS

►ALLIED CHEM CORP, NITROGEN DIV (P)
Davies Nitrate Co (P)
►DU PONT, EXPLOSIVES DEPT (P)

Foote Mineral Co (P)

HEAVY CARBURETTED HYDROGEN see Ethylene

HEAVY SPAR see Barium Sulfate

HEAVY SPAR, SYNTHETIC see Blanc Fixe

HELIANTHINE B see Methyl Orange

HELIOTROPIN (Piperonal)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dodge & Olcott
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Shulton Inc (P)

HELIUM

Air Products, Inc (P)
Air Reduction Sales Co (P)
Linde Co (P)
Ohio Chem & Surgical Equipment Co Div (P)

HELIUM, LIQUID

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HELLEBORE ROOT (Veratrum Viride)

Prentiss Drug & Chem Co (P)

HEMATEIN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

Hartman-Leddon Co (P)

HEMATIN EXTRACT

HEMATOIDIN see Bilirubin

HEMATOXYLIN (Hydroxybrasilin)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Eastern Chem Corp (P)
Fisher Scientific Co (P)

Hartman-Leddon Co (P)

HEMATOXYLON see Logwood

HEMIN (Chlorhemin)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
K & K Labs (P)

HEMLOCK EXTRACT

Crown Zellerbach Corp (P)

HEPAR CALCIS see Calcium Sulfide

HEPARIN SODIUM (Heparin)

►ABBOTT LABS (P)
Alvares-Terner Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
Fisher Scientific Co
►R W GREEFF & CO
Henley & Co

Glogau & Co (P)
Riker Labs (P)
Wilson Labs (P)

HEPATIC GAS see Hydrogen Sulfide

HEPTACHLOR

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Chempar Chem Co (P)
Faesy & Besthoff
Pennsalt Chems Corp (P)

Ortho Div (P)
Velsicol Chem Corp (P)
Prentiss Drug & Chem Co (P)

HEPTADECANOL see Alcohol, Heptadecyl

HEPTALDEHYDE

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Fritzsche Bros
International Selling Corp
Millmaster Chem Corp (P)

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R J Brown Co
Chemical Solvents, Inc
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►JONES CHEMS, INC
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Phillips Petroleum Co, Special Products Div (P)
Tar Residuals

Delhi-Taylor Oil Corp (P)
Signal Oil & Gas Co (P)
United Fuel Gas Co (P)

1-HEPTANOL (n-Heptyl Alcohol)

Aldrich Chem Co (P)
Baker Castor Oil Co (P)
Florasynth Labs
Fritzsche Bros
►HUMPHREY-WILKINSON (P)
International Selling Corp
Union Carbide Chems Co (P)

4-HEPTANONE see Di-n-Propyl Ketone

HEPTENES

Aldrich Chem Co (P)
►EASTMAN CHEM CO (P)
Fallek Chem Corp
Farchan Research Labs (P)
►GULF OIL CORP (P)
►HUMPHREY-WILKINSON (P)
Oronite Div (P)
Phillips Petroleum Co, Special Products Div (P)

HEPTYL ACETATE

Fritzsche Bros (P)

n-HEPTYL BROMIDE (1-Bromoheptane)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Farchan Research Labs (P)
►HUMPHREY-WILKINSON (P)
RSA Corp (P)

Andor Labs (P)
Brothers Chem Co (P)

n-HEPTYL CHLORIDE
Eastern Chem Corp (P)
►HUMPHREY-WILKINSON (P)
Andor Labs (P)
Brothers Chem Co (P)

n-HEPTYL IODIDE
Gallard-Schlesinger Chem Mfg Corp (P)
RSA Corp (P)
Andor Labs (P)
Brothers Chem Co (P)

tert.-HEPTYL MERCAPTAN
Philips Petroleum Co, Special Products Div (P)
Tennant Chem Div (P)

HERBICIDES
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Ansul Chem Co (P)
Chempar Chem Co (P)
W A Cleary Corp (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
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Naico Chem Co (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Ortho Div (P)
Stieh Chems Inc (P)
Triangle Chem Co (P)

HERRABOL MYRRH see Gum, Myrrh

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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Freeman Industries (P)

HEXACHLOROBENZENE
Diamond Alkali Co (P)
Dow Chem Co (P)
Fisher Scientific Co (P)
International Selling Corp
►KOPPERS CO, TAR PRODUCTS DIV (P)
H P Rossiger & Co
Hummel Chem Co (P)
Montrose Chem Co (P)

1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE see Benzene Hexachloride

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Aldrich Chem Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

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►BAIRD CHEM INDUSTRIES, INC
Chemical Mfg Co
Henley & Co
International Selling Corp
Republic Chem Corp (P)
Hummel Chem Co (P)

HEXACHLOROPHENE
Sindar Corp (P)

HEXACHLOROPROPENE see Hexachloropropylene

HEXACHLOROPROPYLENE (Perchloropropylene, Hexachloropropene)
Eastern Chem Corp (P)
Roberts Chems, Inc (P)
►STAUFFER CHEM CO (P)

n-HEXADECANE
►HUMPHREY-WILKINSON (P)
Archer-Daniels-Midland Co (P)

1-HEXADECANOL see Alcohol, Cetyl

1-HEXADECENE
►HUMPHREY-WILKINSON (P)
Archer-Daniels-Midland Co (P)

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►HUMPHREY-WILKINSON (P)

n-HEXADECYL COMPOUNDS see corresponding Cetyl compound

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Phillips Petroleum Co, Special Products Div (P)

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Miller-Stephenson Chem Co (P)

HEXAHYDROPYRAZINE see Piperazine

HEXAHYDROPYRIDINE see Piperidine

HEXALIN see Cyclohexanol

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HEXAMETHYLENE see Cyclohexane

HEXAMETHYLENEAMINE see Hexamethylenetetramine

HEXAMETHYLENE DIBROMIDE
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Polychemical Labs (P)

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HEXAMINE see Hexamethylenetetramine

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Tar Residuals
Atlas Processing Co (P) Signal Oil & Gas Co (P)
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Roberts Chems, Inc (P)

1,2,6-HEXANETRIOL
►SHELL CHEM CO (P)
Union Carbide Chems Co (P)

HEXANITROMANNITE see Mannitol Hexanitrate

1-HEXANOL see Alcohol, n-Hexyl

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Farchan Research Labs (P)
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Phillips Petroleum Co, Special Products Div (P)

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HEXOBARBITAL SODIUM
Gane's Chem Works
►R W GREEFF & CO
Biorganic Labs (P) Winthrop Labs (P)

HEXONE see Methyl Isobutyl Ketone

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Fritzsche Bros (P)
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n-HEXYLAMINE
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RSA Corp (P)
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Andor Labs (P) Brothers Chem Co (P)

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tert.-HEXYL MERCAPTAN
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HEXYLMETHANE see Heptane

HEXYL METHYL KETONE see Methyl Hexyl Ketone

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Glogau & Co (P)
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Henley & Co
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George Uhe Co

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Atlantic Refining Co (P)
Montrose Chem Co (P)
Nalco Chem Co (P)
Riverside Chem Co (P)
Shell Oil Co (P)

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fairmount Chem Co (P)
M W Hardy & Co
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Industrial Chems (P)
Var-Lac-Old Chem Co

Hagan Chems & Controls (P)

HYDRAZINE BASE see Hydrazine

HYDRAZINE DIHYDROCHLORIDE (Diamine Hydrochloride)

Fairmount Chem Co (P)
Fisher Scientific Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)

uns-HYDRAZINE DIMETHYL see uns-Dimethyl Hydrazine

HYDRAZINE HYDRATE (Diamine Hydrate)

Fairmount Chem Co (P)
Fisher Scientific Co (P)
M W Hardy & Co
Olin Mathieson Chem Corp, Industrial Chems (P)
Var-Lac-Old Chem Co

HYDRAZINE MONOHYDROBROMIDE

Fairmount Chem Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)

HYDRAZINE MONOHYDROCHLORIDE

Fairmount Chem Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)

HYDRAZINE SULFATE (Diamine Sulfate)

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fairmount Chem Co (P)
Fisher Scientific Co (P)
M W Hardy & Co
Samincorp
Var-Lac-Old Chem Co

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Amoco Chems Corp (P)

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For use in protective coatings, printing inks and core oils

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AMOCO CHEMICALS CORPORATION
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Chicago 1, Illinois

MATHIESON

Hydrazine

Anhydrous

Hydrate solutions, 54.4% N_2H_4, 35% N_2H_4

MMH (monomethyl hydrazine)

UDMH (unsymmetrical dimethyl hydrazine)

In drums or tank cars from Lake Charles, La.

Commercial and development quantities of a number of Hydrazine derivatives are in stock. We would welcome inquiries concerning Hydrazine salts or other derivatives. Write to: Olin Mathieson, Baltimore 3, Maryland.

1003

Olin
CHEMICALS DIVISION

your source for HYDRAZINE and its SALTS

Fairmount Chemical offers hydrazine and its salts in a variety of forms. Both commercial and development quantities are shipped from our plant in Newark, N. J., close to the major users of hydrazine.

HYDRAZINE—Technical Solution
44.8% Hydrazine (70% Hydrazine Hydrate)
HYDRAZINE—Purified Solution
54.4% Hydrazine (85% Hydrazine Hydrate)
HYDRAZINE—Purified Solution
64% Hydrazine (100% Hydrazine Hydrate)
HYDRAZINE SULFATE—Commercial
Monohydrazine Sulfate, 24% min. N_2H_4
HYDRAZINE, Purified Base
95% min. Hydrazine, balance water
HYDRAZINE SULFATE, CP, Analyzed Crystals
HYDRAZINE-DIHYDROCHLORIDE, CP, Crystals
HYDRAZINE MONOACETATE, 95% min.
Liquid or deliquescent crystals
HYDRAZINE MONOHYDROBROMIDE, N_2H_4HBr
50% Aqueous solution

OXYGEN SCAVENGER FOR BOILER FEED WATER—DEOXY-SOL—a solution of hydrazine for highly efficient removal of oxygen from boiler feed water. Leaves no residue. Write for booklet BW.

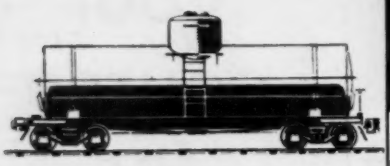
FAIRMOUNT H-SERIES FLUXES AND CORE SOLDER—Hydrazine-activated solder flux and core solder, for use in soldering electrical and electronic equipment. Leaves no residue to cause bridging and corrosion. Write for Data Sheet.

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Fairmount
CHEMICAL CO., INC.
136 Liberty St., New York 6, N. Y.





PHILLIPS 66 Hydrocarbons

are now available in the following Principal Grades of Purity

Grade	Research	Pure 99%	Tech 95%	Commercial
PARAFFINS				
Methane	X	X		
Ethane	X	X	X	
Propane	X	X	X	
Isobutane	X	X	X	
Normal Butane	X	X	X	
2,2-Dimethylpropane	X	X	X	
Isopentane	X	X	X	X
Normal Pentane	X	X	X	X
2,2-Dimethylbutane	X	X	X	
2,3-Dimethylbutane	X	X	X	X
2-Methylpentane	X	X	X	
3-Methylpentane	X	X	X	
Isohexanes				X
Normal Hexane	X	X	X	85%
2,3-Dimethylpentane			X	
2,4-Dimethylpentane	X	X	X	
Isoheptanes				X
Normal Heptane	X	X		X
2,2,4-Trimethylpentane	X	X		
2,3,4-Trimethylpentane	X	X	X	
Trimethylpentanes		X	X	
Dimethylhexanes		X	X	
Isooctanes				X
Normal Octane	X	X	X	
2,2,5-Trimethylhexane	X	X	X	
Normal Nonane	X	X	X	
Normal Decane	X	X	X	
Normal Undecane	X	X	X	
Normal Dodecane		X	X	
Normal Tridecane	X	X	X	
Normal Tetradecane		X	X	
CYCLOPARAFFINS				
Cyclopentane	X	X	X	90%
Methylcyclopentane	X	X	X	
Cyclohexane	X	X	98%	85%
Methylcyclohexane	X	X	X	70%
cis-1,2-Dimethylcyclohexane	X	X		
trans-1,2-Dimethylcyclohexane	X	X	X	
Mixed 1,2-Dimethylcyclohexanes		X		
OLEFINS				
Ethylene	X	X		
Propylene	X	X	X	
Isobutylene	X	X		
Butene-1	X	X	X	
trans-Butene-2	X	X	X	

Grade	Research	Pure 99%	Tech 95%	Commercial
OLEFINS (Continued)				
cis-Butene-2	X	X	X	
Butene-2		X	X	X
2-Methylbutene-1	X	X	X	
3-Methylbutene-1	X	X	X	
2-Methylbutene-2	X	X	X	90%
Pentene-1	X	X	X	
cis-Pentene-2			X	
Pentene-2		X	X	
Mixed Dimethylbutenes			X	
4-Methylpentene-1	X	X	X	
cis-4-Methylpentene-2	X	X	X	
trans-4-Methylpentene-2	X	X	X	
4-Methylpentene-2		X	X	
2-Methylpentene-1	X	X	X	
Hexene-1	X	X	X	
Hexene-2		X	X	
cis-Heptene-2			X	
Heptene-2		X	X	
Heptene-3			X	
2,4,4-Trimethylpentene-1	X	X	X	
2,4,4-Trimethylpentene-2			X	
Octene-1	X	X	X	
Octene-2			X	
Mixed Normal Octenes			X	
Isooctenes				X
2,6-Dimethylheptene-3			X	
CYCLOOLEFINS				
Cyclopentene	X			
Cyclohexene	X	X	X	
4-Vinylcyclohexene-1	X	X	X	
Cyclooctadiene-1,5		X	X	
DIOLEFINS				
Butadiene-1,3	X	X	98%	
2-Methylbutadiene-1,3	X	X	X	
AROMATICS				
Benzene	X	X	X	
Toluene	X	X	X	
Ethylbenzene	X	X	X	
ortho-Xylene	X	X		
para-Xylene	X	X	98%	
meta-Xylene	X	X	X	
1,2,4-Trimethylbenzene	X	X	X	
Isopropylbenzene	X	X	X	
sec-Butylbenzene	X	X	X	
tert-Butylbenzene	X	X	X	
n-Butylbenzene	X	X	X	
1-Phenylbutene-2			X	

Hydrocarbon Mixtures, Instrument Grade Gases, Natural Gas, Special Solvents, Reference Fuels, Normal Propyl Mercaptan, Normal Butyl Mercaptan, Tertiary Aliphatic Mercaptans, Ditertiary Aliphatic Disulfides, Polymerization Grade Olefins and Diolefins, Aerosol Propellants, Spectro Grade Solvents and Copper Sweetening Reagent.

Certain Normal Aliphatic Mercaptans are also available.

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PHILLIPS PETROLEUM COMPANY

SPECIAL PRODUCTS DIVISION

BARTLESVILLE, OKLAHOMA

HYDROCARBONS (continued)

►ENJAY CHEM CO (P)
Esso Standard Oil (P)
Farchan Research Labs (P)
Fisher Scientific Co (P)
Hercules Powder Co (P)
►HUMPHREY-WILKINSON (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
►PEERLESS OIL & CHEM CORP
Pennsylvania Industrial Chem Corp (P)
Phillips Petroleum Co, Special Products Div (P)
►SUN OIL CO (P)

Archer-Daniels-Midland Co (P)
Cities Service Research & Development Co (P)
Crowley Tar Products Co (P)
Edcan Labs (P)
Pennsylvania Refining Co (P)
Shell Oil Co (P)
Union Carbide Olefins Co (P)
United Fuel Gas Co (P)
Velsicol Chem Corp (P)

HYDROCARBONS, SATURATED

►HUMPHREY-WILKINSON (P)

HYDROCHINONE see Hydroquinone

HYDROCORTISONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
Henley & Co
Merck Chem Div (P)
Chas Pfizer & Co (P)
George Uhe Co
Upjohn Co (P)

Biorganic Labs (P)
Glogau & Co (P)
Roselle Labs (P)

HYDROCORTISONE ACETATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Henley & Co
Merck Chem Div (P)
Chas Pfizer & Co (P)
George Uhe Co
Upjohn Co (P)

Biorganic Labs (P)
Glogau & Co (P)
Roselle Labs (P)

HYDROFURAMIDE (Furfuramide)

►QUAKER OATS CO (P)

HYDROGEN BROMIDE see Acid, Hydrobromic

HYDROGEN BROMIDE, ANHYDROUS

Dow Chem Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
►WESTERN PENNSYLVANIA CHEM CO

Michigan Chem Corp (P)

HYDROGEN CHLORIDE, ANHYDROUS

Diamond Alkali Co (P)
Dow Chem Co (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)

Frontier Chem Co (P)
Montrose Chem Co (P)

HYDROGEN CYANIDE see Acid, Hydrocyanic

HYDROGEN DIAMMONIUM PHOSPHATE see Ammonium Phosphate, Dibasic

HYDROGEN DIOXIDE see Hydrogen Peroxide

HYDROGEN FLUORIDE see Acid, Hydrofluoric

HYDROGEN FLUORIDE, ANHYDROUS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

HYDROGEN GAS

Diamond Alkali Co (P)
►ENJAY CHEM CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►WYANDOTTE CHEMS CORP (P)

Air Products, Inc (P)
Air Reduction Sales Co (P)
Bio-Rad Labs (P)
Linde Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Southern Oxygen Co (P)

HYDROGEN IODIDE see Acid, Hydriodic

HYDROGEN, LIQUID

Air Products, Inc (P)
Air Reduction Sales Co (P)
Linde Co (P)

HYDROGEN PEROXIDE (Hydrogen Dioxide, Perhydrol Peroxide, Ozogen)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BECCO CHEM DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
Hercules Powder Co (P)
►JONES CHEMS, INC
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Schuylkill Chem Co (P)
►SHELL CHEM CO (P)
Irving M Sobin Chem Co
J U Starkweather Co
Thompson-Hayward Chem Co
Washine Chem Corp

HYDROGEN SULFATE see Acid, Sulfuric

HYDROGEN SULFIDE (Sulfuretted Hydrogen, Hydrosulfuric Acid, Hepatic Gas)

►ENJAY CHEM CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Matheson Co (P)
Socony Mobil Oil Co (P)

HYDROQUINOL see Hydroquinone

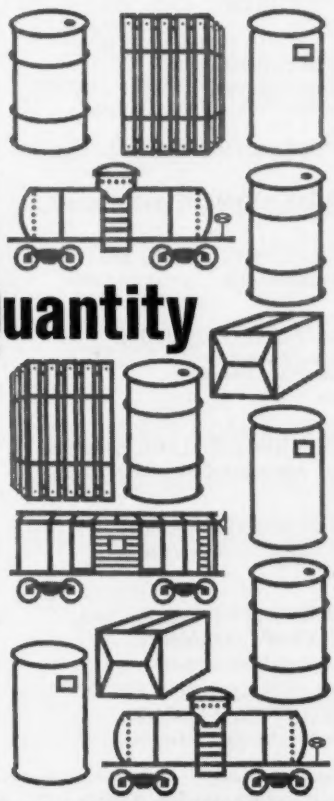
HYDROQUINONE (p-Dioxybenzene, Hydrochinone, Hydroquinol, p-Dihydroxybenzene, p-Dihydroxyphenol)

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Carus Chem Co (P)

(Continued)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses





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HYDROQUINONE (continued)

►EASTMAN CHEM PRODUCTS (P)
Flie Color & Chem Corp
Fisher Scientific Co
Philip A Hunt Co
Mallinckrodt Chem Works
Thompson-Hayward Chem Co

National Research & Chem Co (P)

HYDROSULFITES—see also Sodium Hydrosulfite

►DU PONT, DYES & CHEMS DIV (P)
Rohm & Haas Co (P)
►VICTOR CHEM WORKS (P)

Royce Chem Co (P) Jacques Wolf & Co (P)

HYDROTROPIC AGENTS

►MONSANTO CHEM CO (P)
►ULTRA CHEM WORKS (P)

Petrochemicals Co (P) Wica Chems (P)
Universal Detergents (P)

HYDROUS FERRIC PEROXIDE see Iron Hydroxide

o-HYDROXYACETOPHENONE

►KAY-FRIES CHEMS (P)

p-HYDROXYACETOPHENONE

►R W GREEFF & CO
►KAY-FRIES CHEMS (P)

2-HYDROXYADIPALDEHYDE

►SHELL CHEM CO (P)
Union Carbide Chems Co (P)

o-HYDROXYANISOLE see Guaiacol

HYDROQUINONE? Call EASTMAN!

Atlanta, Ga.—CEdar 7-6473
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TRinity 2-6541
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New York, N. Y.—ORegon 9-1820
Philadelphia (Fort Washington), Pa.
CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
Wilson & Geo. Meyer & Company
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—EMpire 3-3943

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CHEMICAL PRODUCTS, INC.
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

p-HYDROXYANISOLE see Ether, Hydroquinone Monomethyl

HYDROXYANISOLE, BUTYLATED see Butylated Hydroxyanisole

p-HYDROXYAZOBENZENE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Premium Chems (P)

m-HYDROXYBENZALDEHYDE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

p-HYDROXYBENZALDEHYDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Clinical Chems Corp (P)

HYDROXYBENZENE see Phenol

p-HYDROXYBENZOIC ACID ESTERS

Goldschmidt Chem Corp (P)

Heyden Newport Chem Corp (P) Fries Bros (P)

HYDROXYBRASILIN see Hematoxylin

HYDROXYBUTANE see Alcohol, n-Butyl

β-HYDROXYBUTYRALDEHYDE see Aldol

HYDROXYCITRONELLAL

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
George Lueders & Co

Rhodia, Inc (P)

4-HYDROXYCOUMARIN

►ABBOTT LABS (P)
Fine Organics (P)

2-HYDROXY-p-CYMENE see Carvacrol

3-HYDROXY-p-CYMENE see Thymol

2-HYDROXYETHYL AMINE see Ethanolamine

HYDROXYETHYL CELLULOSE

Hercules Powder Co (P)
Union Carbide Chems Co (P)

Rayonier Inc (P)

HYDROXYETHYLETHYLENE DIAMINE see Aminoethylethanolamine

β-HYDROXYETHYLHYDRAZINE

Olin Mathieson Chem Corp, Industrial Chems (P)

N'-(2-HYDROXYETHYL)-2-METHYL-1,2-PROPANEDIAMINE

►COMMERCIAL SOLVENTS CORP (P)

HYDROXYHEPTYL PEROXIDE

Lucidol Div, Wallace & Tiernan Inc (P)

α-HYDROXYISOBUTYRONITRILE see Acetone Cyanohydrin

4-HYDROXY-2-KETO-4-METHYLPENTANE see Alcohol, Diacetone

HYDROXYLAMINE HYDROCHLORIDE (Oxammonium Hydrochloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Fine Organics (P)
Fisher Scientific Co (P)
Philip J Lo Bue Co
Mallinckrodt Chem Works (P)
Pfanstiehl Labs (P)

Premium Chems (P)

HYDROXYLAMINE NITRATE

Southwestern Analytical Chem (P)

HYDROXYLAMINE SULFATE (Oxammonium Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Fine Organics (P)
Fisher Scientific Co

Virginia Smelting Co (P)

HYDROXYLAMMONIUM ACID SULFATE

►COMMERCIAL SOLVENTS CORP (P)

Troy Chem Co (P)

HYDROXYLAMMONIUM CHLORIDE

►COMMERCIAL SOLVENTS CORP (P)

Premium Chems (P)

HYDROXYLAMMONIUM SULFATE

►COMMERCIAL SOLVENTS CORP (P)

Virginia Smelting Co (P)

2-HYDROXY-3-METHOXYBENZALDEHYDE see o-Vanillin

4-HYDROXY-3-METHOXYBENZALDEHYDE see Vanillin

2-HYDROXYNAPHTHALENE see β-Naphthol

2-HYDROXY-1,4-NAPHTHOQUINONE

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

m-HYDROXYPHENOL see Resorcinol

o-HYDROXYPHENOL see Pyrocatechol

p-HYDROXYPHENOL see Hydroquinone

β-p-HYDROXYPHENYLALANINE see Tyrosine

o-HYDROXYPHENYL MERCURIC CHLORIDE

Metalsalts Corp (P)

α-HYDROXYPROPIONITRILE see Lactonitrile

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

β-HYDROXYPROPIONITRILE see Ethylene Cyanohydrin

p-HYDROXYPROPIOPHENONE
►ELI LILLY & CO, ELANCO DIV (P)
►MILES CHEM CO (P)
Premium Chems (P)

N-(2-HYDROXYPROPYL) ETHYLENEDIAMINE
►WYANDOTTE CHEMS CORP (P)

N'-(2-HYDROXYPROPYL)-2-METHYL-1,2-PROPANEDIAMINE
►COMMERCIAL SOLVENTS CORP (P)

HYDROXYPYRIDINE see Pyridol

HYDROXYPYRUVIC ALDEHYDE
K & K Labs (P)

2-HYDROXYQUINOLINE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Electro Organic Corp (P)

8-HYDROXYQUINOLINE
►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BENZOL PRODUCTS CO (P)
Conray Products Co
J H DeLamar & Son
Fisher Chem Co
Fisher Scientific Co (P)
Interstate Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
G Frederick Smith Chem Co
Gamma Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)

8-HYDROXYQUINOLINE BENZOATE
►BENZOL PRODUCTS CO (P)
Fisher Chem Co
Metalsalts Corp (P)
Gamma Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)

8-HYDROXYQUINOLINE CITRATE
Fisher Chem Co
Metalsalts Corp (P)
Gamma Chem Corp (P)
B L Lemke & Co (P)

8-HYDROXYQUINOLINE SULFATE
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Chem Co
Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
Beacon Chem Industries (P)
Gamma Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)

α-HYDROXYTOLUENE see Alcohol, Benzyl

m-HYDROXYTOLUENE see m-Cresol

HYOSCINE see Scopolamine

HYOSCYAMINE
Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
European Chem Co
Henley & Co
Inland Alkaloid (P)
Roselle Labs (P)

dl-HYOSCYAMINE see Atropine

HYPO see Sodium Thiosulfate

I

ICE STONE see Cryolite, Natural

ICHTHAMMOL
European Chem Co (P)
Chas L Huisking & Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV
Rebeca Chems
Roselle Labs (P)

ILMENITE (Menaccanite, Titanic Iron Ore)
►BAIRD CHEM INDUSTRIES, INC
►METAL & THERMIT CORP (P)
National Lead Co (P)
Foote Mineral Co (P)

IMIDAZOLE (Glyoxaline; 1,3-Diazole)
Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
►ELI LILLY & CO, ELANCO DIV (P)
Ciba Co (P)
Edcan Labs (P)
Nalco Chem Co (P)

4-IMIDAZOLE ETHYLAMINE see Histamine

2-IMIDAZOLIDINETHIONE see Ethylene Thiourea

3,3-IMINOBISPROPYLAMINE
Aldrich Chem Co (P)
►MONSANTO CHEM CO (P)

IMPERIAL GREEN see Copper Acetoarsenite

1,3-INDANDIONE
Aldrich Chem Co (P)
Nepera Chem Co (P)
Pierce Chem Co (P)

INDANOLS
Aldrich Chem Co (P)

INDENE
Aldrich Chem Co (P)
Neville Chem Co (P)
Edcan Labs (P)

INDIAN BALSAM see Balsam, Peruvian

INDIAN RED see Iron Oxide, Red

INDIAN SAFFRON see Turmeric

INDICATORS, HUMIDITY
►DAVISON CHEM DIV (P)
W A Hammond Drierite (P)

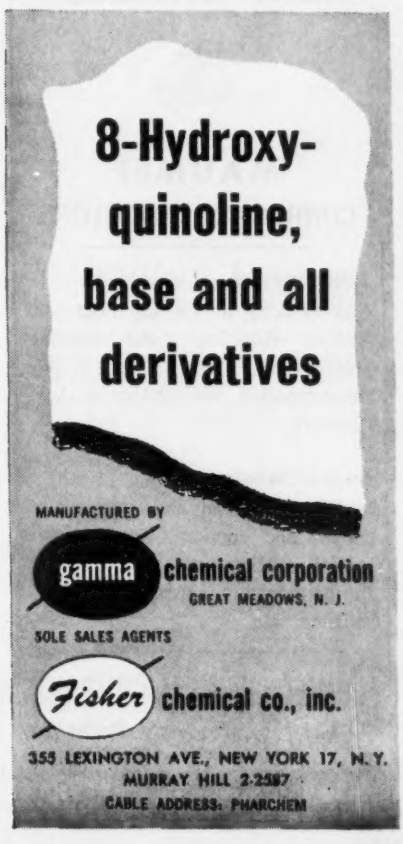
INDICATORS, ION-EXCHANGERS
Gane's Chem Works (P)
Bio-Rad Labs (P)
Culligan, Inc (P)

INDICATORS, OXIDATION-REDUCTION
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Distillation Products Industries (P)
Eastern Chem Corp (P)
Matheson Coleman & Bell (P)

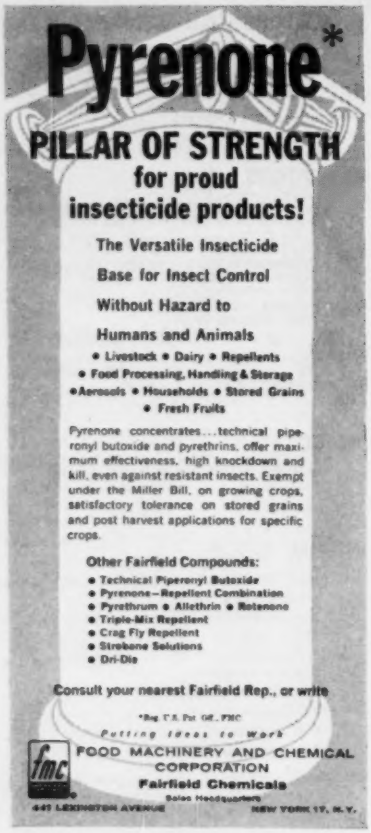
INDICATORS, pH
►ALLIED CHEM CORP, GENERAL CHEM DIV P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
City Chem Corp
Distillation Products Industries (P)
Eastern Chem Corp (P)
Fisher Scientific Co (P)
Hercules Powder Co (P)
Pylam Products Co (P)
Culligan, Inc (P)
Hagan Chems & Controls (P)
Hartman-Leddon Co (P)
LaMotte Chem Products (P)
Matheson Coleman & Bell (P)

INDIGO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

INDIUM, METAL
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Belmont Smelting & Refining Works (P)
City Chem Corp
Fairmount Chem Co (P)
Fisher Scientific Co
International Selling Corp
Milimaster Chem Corp
►MONSANTO CHEM CO (P)
Var-Lac-Oid Chem Co (P)
American Smelting & Refining Co (P)
Bram Metallurgical-Chem Co (P)
Division Lead Co (P)
Indium Corp of America (P)
Metals & Controls Inc (P)



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Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

Indium Corp of America (P)
Chemical Commerce (P)

INDIUM SULFATE

Fairmount Chem Co (P)
Var-Lac-Oid Chem Co (P)

American Smelting & Refining Co (P)
Chemical Commerce (P)
Indium Corp of America (P)

INDOLE (Ketol, Benzopyrrole, Benzarol)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Rhodia, Inc (P)

INFUSORIAL EARTH see Diatomite

INHIBITORS, CORROSION

►AIR REDUCTION CHEM & CARBIDE CO (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co (P)
Amoco Chem Corp (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
►BRYTON CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
Diamond Alkali Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
►ETHYL CORP (P)
General Elec Co, Silicone Products (P)
General Mills, Chem Div (P)
Glyco Chems (P)
►GULF OIL CORP (P)
Hercules Powder Co (P)
►JEFFERSON CHEM CO (P)
Maumee Chem Co (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
Patent Chems (P)
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Process Chems Co (P)
Riches-Nelson, Inc
►SINCLAIR PETROCHEMS (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)
Universal Oil Products Co (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WYANDOTTE CHEMS CORP (P)

Adhesive Products Corp (P)
Alox Corp (P)
Amchem Products (P)
American Grease Stick Co (P)
Ampion Corp (P)
Arol Chem Products Co (P)
Beacon Chem Industries (P)
Bell-Ray Chem Corp (P)
Bernard Chem Products Co (P)
Britex Corp (P)
Clarkson Labs (P)
Continental Coatings Corp (P)
Crowley Tar Products Co (P)
Culligan, Inc (P)
E F Drew & Co (P)
Dominion Products (P)
Eastern Color & Chem (P)
Elgin Softener Corp (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Eureka Chem Co (P)
Feedwaters, Inc (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
Heyden Newport Chem Corp (P)
Ideal Chem & Supply (P)
Inter-coastal Paint Corp (P)
Lehigh Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Mona Industries (P)
Naico Chem Co (P)
National Research & Chem Co (P)
Northwest Chem Co (P)
Norton Chem Works (P)
Oakite Products (P)
Pennsylvania Refining Co (P)
Permutit Co (P)
Pro-Chem, Inc (P)
Raybo Chem Co (P)
Reilly-Whiteman-Walton Co (P)
Scher Bros (P)
E W Smith Chem Co (P)
Socony Mobil Oil Co (P)
Sumco Products (P)
Texaco Inc (P)
Arthur C Trask Co (P)
Tretolite Co Div (P)
United States Petrochem Co (P)
R T Vanderbilt Co (P)
Western Chem Co (P)
White & Bagley Co (P)

INHIBITORS, FOAM see Defoamers

INHIBITORS, GUM

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►DU PONT, PETROLEUM CHEMS DIV (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
Universal Oil Products Co (P)

Naico Chem Co (P)
Tretolite Co Div (P)
R T Vanderbilt Co (P)

INHIBITORS, MOLD

Amoco Chems Corp (P)
Armour Industrial Chem Co (P)
W A Cleary Corp (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
Glyco Chems (P)
Goldschmidt Chem Corp (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sindar Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co
Treplow Chem Co (P)
Union Carbide Chems Co (P)

Advance Solvents & Chem Div (P)
DuBois Co (P)
Emkay Chem Co (P)
Fermco Labs (P)
Fries Bros (P)
Gray Chem (P)
Heyden Newport Chem Corp (P)
Mona Industries (P)
Norton Chem Works (P)
Oakite Products (P)
Process Chem Specialties (P)
Scientific Chems (P)
Tretolite Co Div (P)
R T Vanderbilt Co (P)

INHIBITORS, OXIDATION see Antioxidants

INHIBITORS, POLYMERIZATION

►EASTMAN CHEM PRODUCTS (P)
►METAL & THERMIT CORP (P)
Patent Chems (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

American Alkyd Industries of Cal (P)
Ames Labs (P)
J P Frank Chem Co (P)
Catalin Corp of America (P)
Raybo Chem Co (P)

INKS, PRINTING

J M Huber Corp (P)
Claremont Pigment Dispersion Corp (P)

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
►R W GREEFF & CO
Henley & Co
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Pfanstiehl Labs

Corn Products Co (P)
Polychemical Labs (P)
A E Staley Mfg Co (P)

INSECTICIDE BASES, NATURAL

American Mineral Spirits Co (P)
Fairfield Chems Div (P)
Hercules Powder Co (P)
International Selling Corp

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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McLaughlin Gormley King Co (P)
Nitrogen Products, Inc
Pennsalt Chems Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Synthetic Chems (P)
Thompson-Hayward Chem Co (P)
Tobey Chem Co
Trio Chem Works (P)

Cardinal Chem Co (P)
Chemical Insecticide Corp (P)
Filtrol Corp (P)
Pennsylvania Refining Co (P)
Ortho Div (P)
Prentiss Drug & Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Woodbury Chem Co (P)

INSECTICIDE BASES, SYNTHETIC

Diamond Alkali Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Fairfield Chems Div (P)
Hercules Powder Co (P)
International Selling Corp
McLaughlin Gormley King Co (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Phillips Petroleum Co, Special Products Div (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
H P Rossiger & Co
Trio Chem Works (P)
Union Carbide Chems Co (P)
►VICTOR CHEM WORKS (P)

Cardinal Chem Co (P)
Chemical Insecticide Corp (P)
Ortho Div (P)
Prentiss Drug & Chem Co (P)
Velsicol Chem Corp (P)

INSECTICIDE CARRIERS & DILUENTS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
American Colloid Co (P)
American Mineral Spirits Co (P)
American Oil & Supply Co
Amoco Chems Corp (P)
►CHEMICAL SOLVENTS, INC
Chempar Chem Co
Dow Chem Co (P)
Esso Standard Oil (P)
Floridin Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
J M Huber Corp (P)
International Selling Corp
►JEFFERSON CHEM CO (P)
►JOHNS-MANVILLE (P)

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DILUEX® & DILUEX A
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Copper Dust
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Dieldrin Dusts, E.C.
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Heptachlor Dusts, E.C.
Herbicide L.V.
Lindane, Dusts, E.C.
Malathion Dusts, E.C.
Parathion Dusts, E.C.
Potato Dusts
Lead Arsenate
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Sodium Arsenate
Sodium Chlorate
Tomato Dust
Toxaphene Dusts, E.C.
Paris Green
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Monsanto

INSECTICIDE CARRIERS & DILUENTS (continued)

►MINERALS & CHEMS PHILIPP CORP (P)
Mississippi Lime Co (P)
Nitrogen Products, Inc
Phillips Petroleum Co, Special Products Div (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
L A Salomon & Bro
►SINCLAIR PETROCHEMS (P)
Smith Chem & Color Co
Sole Chem Corp
SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Tamms Industries
Union Carbide Chems Co (P)
Charles A Wagner Co

Amber Labs (P)
American Oil Co (P)
Atlantic Refining Co (P)
Calcium Carbonate Co (P)
Columbia Quarry Co (P)
Commercial Minerals Co (P)
Continental Chem Co (P)
Crowley Tar Products Co (P)
Eagle-Picher Co (P)
Filtrol Corp (P)
C R Graybeal & Sons (P)
Hayes-Sammons Chem Co (P)
Kenite Corp (P)
Magnet Cove Barium Corp (P)
Miller Products Co (P)
Mineralite Sales Corp (P)
National Starch & Chem Corp (P)
Ortho Div (P)
Shell Oil Co (P)
Southeastern Clay Co (P)
Thomas Alabama Kaolin Co (P)
R T Vanderbilt Co (P)
Velsicol Chem Corp (P)
Weyerhaeuser Co, Silvatek Div (P)

INSECTICIDES

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
H J Baker & Bro
►BENZOL PRODUCTS CO (P)
Chempar Chem Co (P)
►DAVISON CHEM DIV (P)
Diamond Alkali Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Dow Chem Co (P)
Esso Standard Oil (P)
Faesy & Besthoff
Fairfield Chems Div (P)
International Selling Corp
McLaughlin Gormley King Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Michigan Chem Corp (P)
Nitrogen Products, Inc
Olin Mathieson Chem Corp, Industrial Chems (P)
►MONSANTO CHEM CO (P)
►S B PENICK & CO (P)
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
H P Rossiger & Co
►SHELL CHEM CO (P)
Sherwin-Williams Co (P)
►STAUFFER CHEM CO (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)
►WESTVACO MINERAL PRODUCTS DIV (P)

American Oil Co (P)
Amplon Corp (P)
An-Fo Mfg Co (P)
G Barr & Co (P)
Beechem Labs (P)
Cardinal Chem Co (P)
Chapman Chem Co (P)
Chemical Compounding Corp (P)
Chicago Sanitary Products Co (P)
Chipman Chem Co (P)
Colgate-Palmolive Co P)
Coopers Creek Chem Corp (P)
Dayton Fertilizer Corp (P)
B R Elk & Co (P)
Fuld Bros (P)
Geigy Agricultural Chem Div (P)
Grain Processing Corp (P)
Hayes-Sammons Chem Co (P)

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Carrier and Diluent

A highly efficient carrier, diluent, extender, and conditioner used in the manufacture of insecticide concentrates, finished dusts, fungicides, wettable powders, rodenticides, herbicides, plant hormone dusts, seed disinfectants and fertilizers.

Produced from the mineral "Attapulgite," an aluminum magnesium silicate, noted for its consistent and compatible composition, large adsorptive capacity, free-flowing characteristics, and low bulk density. Specially processed to insure physical uniformity.

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KILMAG*
Heptachlor Formulations
Kepone*
Lead Arsenate
Lindane Technical & Formulations
Malathion Formulations
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TEPP
Toxaphene Formulations
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Allied Chemical

GENERAL CHEMICAL DIVISION
40 Rector Street, New York 6, N.Y.
See Offices in Directory Section

* Trademark of Allied Chemical Corp.
** Trademark of U.S. Rubber Co.

Illinois Minerals Co P)
Kaysing Corp (P)
Krylon, Inc (P)
Lorenz Chem Co (P)
Los Angeles Chem Co (P)
Miller Chem & Fertilizer Corp (P)
Miller Products Co (P)
Montrose Chem Co (P)
Naugatuck Chem Div (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)
Pace Inc (P)
Prentiss Drug & Chem Co (P)
Solvit Chem Co (P)
Triangle Chem Co (P)
Uncle Sam Chem Co (P)
United-Heckathorn (P)
Velsicol Chem Corp (P)
Whitmoyer Labs (P)
Woodbury Chem Co (P)
York Chem Co (P)

INSULATING COMPOUNDS, ELECTRICAL

Carwin Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Hostawax Co
►JOHNS-MANVILLE (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►SONNEBORN CHEM & REFINING CORP (P)
►MONSANTO CHEM CO (P)
►SUN OIL CO (P)
Union Carbide Corp, Silicones Div (P)

Adhesive Products Corp (P)
American Products Mfg Co (P)
Applied Plastics Div (P)
Borden Chem Co (P)
Chemical Products Corp (RI) (P)
Dayton Chem Products Labs (P)
Hi-Test Chem Corp (P)
Hysol Corp (P)
Joy Chem Inc (P)
Kaysing Corp (P)
Mineralite Sales Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Schenectady Varnish Co (P)

INSULATION MATERIALS

Philip Carey Mfg Co (P)
Cabot Corp (P)
Carwin Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
►JOHNS-MANVILLE (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►MONSANTO CHEM CO (P)
►SUN OIL CO (P)
Union Carbide Corp, Silicones Div (P)

American Felt Co (P)
American Gilsonite Co (P)
Asheville-Schoonmaker Mica Co (P)
Atlas Mineral Products Co (P)
Borden Chem Co (P)
California Products Corp (P)
Chase Chem Corp (P)
Chemical Products Corp (RI) (P)
Eagle-Picher Co (P)
Illinois Clay Products (P)
Quigley Co (P)
H I Thompson Fiber Glass Co (P)
Weyerhaeuser Co, Silvatek Div (P)
G S Ziegler & Co (P)

INSULIN

Glogau & Co (P)

INTERMEDIATES

►AIR REDUCTION CHEM & CARBIDE CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Arapahoe Chems (P)
Armour Industrial Chem Co (P)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Carwin Co (P)
Chemical Products Div, Chemetron Corp (P)
City Chem Corp
►COMMERCIAL SOLVENTS CORP (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►EASTMAN CHEM PRODUCTS (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Mills, Chem Div (P)
Geigy Dyestuffs Div (P)
Hercules Powder Co (P)
Hilton-Davis Chem Co Div (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►KAY-FRIES CHEMS (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
Nease Chem Co (P)
Rohm & Haas Co (P)
H P Rossiger & Co
►SHELL CHEM CO (P)
Sherwin-Williams Co (P)
Specific Pharmaceuticals, Chemetron Corp (P)
►STAUFFER CHEM CO (P)
George Uhe Co
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
►U S INDUSTRIAL CHEM CO (P)

(Continued)

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CRESTWOOD CHEMICALS

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custom processing for the CHEMICAL and PHARMACEUTICAL INDUSTRIES

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CHEMICAL PRODUCTS DIVISION
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CHEMETRON

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for the dyestuff, pharmaceutical, rubber, oil, paint, & allied fields

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CHLORINATED RING COMPOUNDS
NAPHTHALENES
SARCOSINES
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TAURINES

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p-AMINOPHENOL
4-AMINO-2-NITROPHENOL
7-ANILINO-1-NAPHTHOL-3-SULFONIC ACID
4-CHLORO-3-AMINO ANISOLE
o-CHLORANILINE
p-CHLOR-o-NITRANILINE
4-CHLOR-2-NITRO ANISOLE
4,4'-DIAMINO-DIPHENYLAMINE-3 SULFONIC ACID
2,4-DIAMINOANISOLE
2,5-DICHLORANILINE
2,5 DICHLORNITROBENZENE
ETHYL p-TOLUENE SULFONATE
o-FORMYL BENZENE SULFONIC ACID
6,6'-IMINO BIS-(1-NAPHTHOL 3-SULFONIC ACID)
3-METHYL-1-(2,5-DICHLORO SULFANILIC)-5-PYRAZOLONE
3-METHYL-1-PHENYL-5-PYRAZOLONE
3-METHYL-1-(4-SULFO PHENYL)-5-PYRAZOLONE
3-METHYL-1-(3-SULFO PHENYL)-5-PYRAZOLONE
METHYL p-TOLUENE SULFONATE
5-NITRO-2-AMINO PHENOL
5-OXO-1-PHENYL-2-PYRAZOLINE-3-CARBOXYLIC ACID ETHYL ESTER
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Matheson Coleman & Bell (P)
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Naugatuck Chem Div (P)
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Cooper Chem Co (P)
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Fisher Scientific Co (P)
RSA Corp (P)
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Eastern Chem Corp (P)
RSA Corp (P)
Ander Labs (P)
Brothers Chem Co (P)
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Millmaster Chem Corp (P)
RSA Corp (P)
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Polychemical Labs (P)

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Standard Ultramarine & Color Co (P)
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Jordan Co (P)
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Fisher Scientific Co
Mallinckrodt Chem Works (P)
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IRON OLEATE

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Troy Chem Co (P)

IRON OXALATE (ic)

Fisher Scientific Co
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C K Williams & Co (P)

Landers-Segal Color Co (P)
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Columbian Carbon Co (P)
►EASTMAN CHEM PRODUCTS (P)
Fisher Scientific Co
►HARSHAW CHEM CO
Harwick Standard Chem Co
H Kohnstamm & Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Republic Chem Corp
Smith Chem & Color Co (P)
Tamms Industries (P)
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C K Williams & Co (P)

Frank D Davis Co (P)
Landers-Segal Color Co (P)
Manganese Chems Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)

IRON OXIDE, TAN

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H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
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Frank D Davis Co (P)
Landers-Segal Color Co (P)

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Fisher Scientific Co
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Prince Mfg Co (P)
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Tamms Industries (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)

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Millmaster Chem Corp (P)
Schuylkill Chem Co (P)
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Opalco Lab
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IRON SULFURET see Iron Sulfide

IRON TALLATE

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►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
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IRON THIOCYANATE (ic)

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Andor Labs (P)

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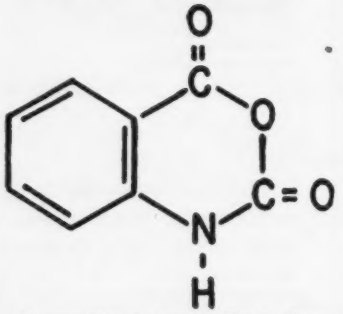
Total Sol. Fe.....20.50%
Sol. Fe^{+++}.....20.00%
Sol. Fe^{++}..... 0.50%
Insols. 5.00%
Free Acid 2.00%
Moisture at 105°C. 3.00%

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Fritzsche Bros (P)
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Carnegies Fine Chems (P)
Davies Young Soap Co (P)
Fries Bros (P)
Maywood Chem Works, Div Stepan Chem Co (P)

ISOBORNEOL

Fritzsche Bros

Rhodia, Inc (P)

ISOBORNYL ACETATE

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►S B PENICK & CO (P)

Rhodia, Inc (P)
Schimmel & Co (P)

ISOBUTANE (Trimethylmethane)

Phillips Petroleum Co, Special Products Div (P)

Arkansas Louisiana Chem Corp (P)
Signal Oil & Gas Co (P)

ISOBUTENE (2-Methyl-Propene-1, Isobutylene)

►ENJAY CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

Petro-Tex Chem Corp (P)
Signal Oil & Gas Co (P)

ISOBUTYL ACETATE

►AMERICAN-BRITISH CHEM SUPPLIES
American Minerals Spirits Co
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
Florasynth Labs
Fritzsche Bros (P)
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ISOBUTYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp

ISOBUTYL-p-AMINOBENZOATE

►R W GREEFF & CO
Metalsalts Corp (P)

Fries Bros (P)
Polychemical Labs (P)

ISOBUTYL BENZOATE

Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Andor Labs (P)

ISOBUTYL BROMIDE (1-Bromo-2-Methylpropane)

►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Eastern Chem Corp (P)

Andor Labs (P)

ISOBUTYL BUTYRATE

Florasynth Labs
Fritzsche Bros

Andor Labs (P)

ISOBUTYL CAPROATE

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)

ISOBUTYL CARBINOL see Alcohol, Isoamyl

ISOBUTYLENE see Isobutene

ISOBUTYLENE OXIDE

Farchan Research Labs (P)

ISOBUTYL ISOBUTYRATE

►EASTMAN CHEM PRODUCTS (P)
Florasynth Labs
Fritzsche Bros

ISOBUTYL MERCAPTAN

►BAIRD CHEM INDUSTRIES, INC

Watereo Chem Co (P)

ISOBUTYL METHACRYLATE

►DU PONT, ELECTROCHEMS DEPT (P)
Sartomer Resins, Inc (P)

ISOBUTYL PHENYL ACETATE

Dodge & Olcott (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Maywood Chem Works, Div Stepan Chem Co (P)

ISOBUTYL SALICYLATE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

ISOBUTYL SULFIDE

Watereo Chem Co (P)

ISOBUTYRALDEHYDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►EASTMAN CHEM PRODUCTS (P)
Union Carbide Chems Co (P)

ISOBUTYRONITRILE

►EASTMAN CHEM PRODUCTS (P)

ISOCYANATES

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Carwin Co (P)
►DU PONT, ELASTOMERS DEPT (P)
K & K Labs (P)
►NOPCO CHEM CO (P)

Atlas Mineral Products (P)
Mobay Chem Co (P)
Naugatuck Chem Div (P)
Isocyanate Products, Inc (P)
Ott Chem Co (P)

ISODECYL OCTYL ADIPATE

Hatco Chem Div (P)
Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

FMC Corp, Chems & Plastics Div (P)
Rubber Corp of America (P)

ISOEUGENOL

Dodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Felton Chem Co (P)
Rhodia, Inc (P)
Shulton Inc (P)

ISOHEPTANE

American Mineral Spirits Co (P)
Phillips Petroleum Co, Special Products Div (P)

ISOHEPTENE

Farchan Research Labs (P)

ISOHEXANE

American Mineral Spirits Co (P)
Phillips Petroleum Co, Special Products Div (P)

Andor Labs (P)

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CITY_____
STATE_____

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ISOLEUCINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Pfanstiehl Labs (P)

Kaplop Labs (P) Premium Chems (P)

ISONAPHTHOL see β-Naphthol

ISONICOTINIC ACID HYDRAZIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
George Uhe Co

Clinical Chems Corp (P) Nepera Chem Co (P)

ISOOCTANE (2-Methyl Heptane, Amyldimethylmethane)

American Mineral Spirits Co (P)
Fisher Scientific Co (P)
Phillips Petroleum Co, Special Products Div (P)

ISOOCTENE

Phillips Petroleum Co, Special Products Div (P)

ISOOCTYL ACID PHOSPHATE

Kelker Chem Corp (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Montrose Chem Co (P)

ISOOCTYL ACID PHOSPHITES

►VICTOR CHEM WORKS (P)

Montrose Chem Co (P)

ISOOCTYL DECYL ADIPATE

Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

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Deecy Products Co (P) Rubber Corp of America (P)
Reichhold Chems, Inc (P)
Thompson Chem Co (P)

ISOOCTYL DECYL PHTHALATE

Columbian Carbon Co
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc

Deecy Products Co (P) Rubber Corp of America (P)
Reichhold Chems, Inc (P)

ISOOCTYL-2,4-DICHLOROPHENOXY-ACETATE

Chempar Chem Co (P)

Chemical Insecticide Corp (P) Thompson Chems Corp (P)

ISOOCTYL-DIPHENYL PHOSPHATE

►MONSANTO CHEM CO (P)

ISOOCTYL ISODECYL PHTHALATE

►ALLIED CHEM CORP, PLASTICS DIV (P)
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Stoney-Mueller, Inc

Deecy Products Co Rubber Corp of America (P)
Thompson Chem Co (P)

ISOOCTYL PALMITATE

Hatco Chem Div (P)
Kessler Chem Co (P)
Kelker Chem Corp (P)
M W Parsons-Plymouth (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Rubber Corp of America (P)

ISOOCTYL THIOGLYCOLATE

►EVANS CHEMETICS (P)

ISOOCTYL-2,4,5-TRICHLORO PHENOXYACETATE

Chemical Insecticide Corp (P)

ISOPENTANE (2-Methylbutane)

Cosden Petroleum Corp (P)
Phillips Petroleum Co, Special Products Div (P)

Arkansas Louisiana Chem Corp (P) Signal Oil & Gas Co (P)
United Fuel Gas Co (P)

ISOPHORONE

►ACETO CHEM CO
►JONES CHEMS, INC
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

ISOPRENE

►ENJAY CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

ISOPROPANOL see Alcohol, Isopropyl

ISOPROPANOLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Union Carbide Chems Co (P)

ISOPROPANOLAMINE SALT, 2,4-DICHLOROPHENOXYACETATE

Chempar Chem Co (P)

Thompson Chems Corp (P)

ISOPROPENYL ACETATE

Eastern Chem Corp (P)

Borden Chem Co (P)

ISOPROPENYL ACETYLENE

►AIR REDUCTION CHEM & CARBIDE CO (P)

ISOPROPYL ACETATE

American Mineral Spirits Co
►AMERICAN-BRITISH CHEM SUPPLIES
R J Brown Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
►EASTMAN CHEM PRODUCTS (P)
Howe & French
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Schelle Chem Corp
J U Starkweather Co
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

ISOPROPYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

p-ISOPROPYLANILINE see Cumidine

ISOPROPYLARTERENOL SALTS see Isoproterenol Hydrochloride

ISOPROPYL BENZENE see Cumene

ISOPROPYL BROMIDE

►ACETO CHEM CO (P)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)

ISOPROPYLCARBINOL see Alcohol, Isobutyl

ISOPROPYL CHLORIDE

Dow Chem Co (P)

ISOPROPYL CHLOROFORMATE

►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)

ISOPROPYL-N-(3-CHLOROPHENYL)-CARBAMATE

►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)

ISOPROPYL-m-CRESOL see Thymol

ISOPROPYL-o-CRESOL see Carvacrol

ISOPROPYL-2,4-DICHLOROPHENOXY-ACETATE

Chempar Chem Co (P)
Diamond Alkali Co (P)
►MONSANTO CHEM CO (P)

ISOPROPYL DIETHYL MALONATE

►BENZOL PRODUCTS CO (P)

ISOPROPYLDIPHENYL

►MONSANTO CHEM CO (P)

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p,p'-ISOPROPYLIDENEDIPHENYL (Bisphenol A)

Dow Chem Co (P)
Midland Tar Distillers
►MONSANTO CHEM CO (P)
►SHELL CHEM CO (P)

ISOPROPYL LANOLATE

Malmstrom Chem Corp (P)
Robinson Wagner Co (P)

ISOPROPYL LAURATE

Kessler Chem Co (P)
M W Parsons-Plymouth (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Emkay Chem Co (P)
Robinson Wagner Co (P)

ISOPROPYL MERCAPTAN

Pennsalt Chems Corp (P)

N'-ISOPROPYL-2-METHYL-1,2-PROPANEDIAMINE

►COMMERCIAL SOLVENTS CORP (P)

ISOPROPYL MYRISTATE

►ACETO CHEM CO
Emulsol Chem Corp (P)
Givaudan-Delawanna (P)
Kessler Chem Co (P)
M W Parsons-Plymouth (P)
Process Chems Co (P)
Sole Chem Corp (P)
WILSON-MARTIN (DIV WILSON & CO) (P)

Arnold, Hoffman & Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Mathe Chem Co (P)
Robinson Wagner Co (P)

ISOPROPYL PALMITATE

Givaudan-Delawanna (P)
Kessler Chem Co (P)
M W Parsons-Plymouth (P)
Sole Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Arnold, Hoffman & Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Robinson Wagner Co (P)

o-ISOPROPYL PHENOL

►ETHYL CORP (P)

ISOPROPYL PHENOLS, MIXED

Midland Tar Distillers

ISOPROPYL-2,4,5-TRICHLOROPHENOXYACETATE

Diamond Alkali Co (P)

ISOPROTERENOL HYDROCHLORIDE

Gane's Chem Works (P)
►R W GREEFF & CO
Henley & Co
Specific Pharmaceuticals, Chemetron Corp (P)

Winthrop Labs (P)

ISOQUINOLINE

►Aldrich Chem Co (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Distillation Products Industries (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

Brothers Chem Co (P)

ISOVALERALDEHYDE

K & K Labs (P)

J

JOINTING COMPOUNDS

►ALLIED CHEM CORP, PLASTICS DIV (P)
Dow Corning Corp (P)
►JOHNS-MANVILLE (P)
►MONSANTO CHEM CO (P)

Amchem Products (P)
Arco Co (P)
Atlas Mineral Products (P)
Crowley Tar Products Co (P)
Eureka Chem Co (P)
H V Hardman Co (P)
Highside Chems (P)
Midland Adhesive & Chem Corp (P)

K

KAOLIN

Charles B Chrystal Co
Fisher Scientific Co
J M Huber Corp (P)
Mallinckrodt Chem Works (P)
►MINERALS & CHEMS PHILIPP CORP (P)
L A Salomon & Bro
Charles A Wagner Co
Whittaker, Clark & Daniels

Edgar Plastic Kaolin Co (P)
Illinois Minerals Co (P)
Southeastern Clay Co (P)
Thomas Alabama Kaolin Co (P)
R T Vanderbilt Co (P)

KIER ASSISTANTS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Antara Chems Div (P)
Atlas Chem Industries, Chems Div (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Emery Industries (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Geigy Dyestuffs Div (P)
►HOOKER CHEM CORP (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
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Union Carbide Chems Co (P)
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Colgate-Palmolive Co (P)
Continental Chem Co (P)
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Pfister Chem Works (P)
Procter & Gamble Co (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

KRYPTON

Air Reduction Sales Co (P)

KYANITE see Cyanite

L

LACQUER BASES

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Chemical Coatings & Engrg Co (P)
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Firestone Plastics Co (P)
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National Starch & Chem Corp (P)
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Pierce & Stevens Chem Corp (P)
Raffi & Swanson (P)
United Lacquer Mfg Corp (P)

LACQUERS, ALCOHOL-RESISTANT

Better Finishes & Coatings (P)
Sherwin-Williams Co (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
American Products Mfg Co (P)
Armstrong Paint & Varnish Works (P)
Chemical Coatings & Engrg Co (P)
Chemical Products Corp (RI) (P)
Duralac Chem Corp (P)
Interchem Corp, Finishes Div (P)
Lacquer Specialties (P)
Midland Adhesive & Chem Corp (P)
Monroe Sander Corp (P)
National Chem & Plastics Co (P)
Pennsylvania Lacquer Center (P)
Pierce & Stevens Chem Corp (P)
Pruett-Schaffer Chem (P)
R & A Leather Finish (P)
Raffi & Swanson (P)
United Lacquer Mfg Corp (P)

LACQUERS, HEAT-RESISTANT

Better Finishes & Coatings (P)
Carwin Co (P)
Dow Corning Corp (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Armstrong Paint & Varnish Works (P)
Chemical Coatings & Engrg Co (P)
Chemical Products Corp (RI) (P)
Duralac Chem Corp (P)
Interchem Corp, Finishes Div (P)
Lacquer Specialties (P)
Marblette Corp (P)
Midland Adhesive & Chem Corp (P)
Monroe Sander Corp (P)
National Chem & Plastics Co (P)
Pennsylvania Lacquer Center (P)
Raffi & Swanson (P)
United Lacquer Mfg Corp (P)

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Kolon Trading Co
Mallinckrodt Chem Works (P)
Pfanstiehl Labs (P)
Sheffield Chem Div (P)
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►S B PENICK & CO, NYQ CHEM DIV (P)
Pfanstiehl Labs (P)
Sheffield Chem Div (P)
George Uhe Co
Western Condensing Co (P)

Roselle Labs (P)

LAKES see Color Lakes

LAMPBLACK (Germantown Black)

Columbian Carbon Co (P)
Harwick Standard Chem Co
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Smith Chem & Color Co
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels
C K Williams & Co

Landers-Segal Color Co (P)

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J H DeLamar & Son
Fisher Scientific Co
►R W GREEFF & CO
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
William E Phillips Inc
Republic Chem Corp

Bopf-Whittam Corp (P)
Malmstrom Chem Corp (P)
Lanaetex Products (P)
Robinson Wagner Co (P)

LANOLIN, ANHYDROUS

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Fisher Scientific Co
►R W GREEFF & CO
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

Bopf-Whittam Corp (P)
Lanaetex Products (P)
Malmstrom Chem Corp (P)
Robinson Wagner Co (P)

LANOSTEROL (Isocholesterol)

Aldrich Chem Co (P)
Croda, Inc (P)

Robinson Wagner Co (P)

LANTHANUM CHLORIDE

City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
Fisher Scientific Co
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

Research Chems (P)

LANTHANUM, METAL

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►DAVISON CHEM DIV
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Ronson Metals Corp (P)

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Var-Lac-Oid Chem Co (P)
►VITRO CHEM CO (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Research Chems (P)

LANTHANUM OXIDE

Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)
►VITRO CHEM CO (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Research Chems (P)

LARD, HYDROGENATED

Archer-Daniels-Midland Co (P)

LATEX, NATURAL, EVAPORATED

Stein Hall & Co

Goodyear Tire & Rubber Co, Chem Div (P)
Imperial Adhesives (P)
Naugatuck Chem Div (P)
Major Chem & Latex Corp (P)
Rubber Corp of America (P)

LATEX, NATURAL WATER DISPERSION

►MONSANTO CHEM CO (P)
Stein Hall & Co

B B Chem Co (P)
Dewey & Almy Chem Div (P)
General Latex & Chem Corp (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Imperial Adhesives (P)
Major Chem & Latex Corp (P)
Midland Adhesive & Chem Corp (P)
Morningstar-Paisley, Inc (P)
Naugatuck Chem Div (P)
Textile Proofers (P)

LATICES, ACRYLATE

►AIR REDUCTION CHEM & CARBIDE CO (P)
Dow Chem Co (P)
Morton Chem Co (P)
►NOPCO CHEM CO (P)
Rohm & Haas Co (P)
Stein Hall & Co (P)

American Alkyd Industries of Cal (P)
Borden Chem Co (P)
Clarkson Labs (P)
DeSoto Chem Coatings (P)
Firestone Plastics Co (P)
General Latex & Chem Corp (P)
General Tire & Rubber Co (P)
B F Goodrich Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
National Starch & Chem Corp (P)
Polyvinyl Chems (P)
Reichhold Chems, Inc (P)
UBS Chem Corp (P)
Wica Chems (P)

LATICES, BUTADIENE-ACRYLONITRILE

Borden Chem Co (P)
Clarkson Labs (P)
Firestone Plastics Co (P)
Firestone Synthetic Rubber & Latex Co (P)
General Latex & Chem Corp (P)
B F Goodrich Chem Co (P)
Naugatuck Chem Div (P)
Wica Chems (P)

LATICES, BUTADIENE-STYRENE

Dow Chem Co (P)
►MONSANTO CHEM CO (P)
►SHELL CHEM CO (P)

Alco Oil & Chem Corp (P)
American Alkyd Industries of Cal (P)
Borden Chem Co (P)
Copolymer Rubber & Chem Corp (P)
Dewey & Almy Chem Div (P)
Firestone Plastics Co (P)
General Latex & Chem Corp (P)
B F Goodrich Chem Co (P)
General Tire & Rubber Co (P)
Goodrich-Gulf Chems, Inc (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Koppers Co, Plastics Div (P)
Naugatuck Chem Div (P)
Rubber Corp (P)
Wica Chems (P)

LATICES, POLYSTYRENE

Dow Chem Co (P)
Morton Chem Co (P)

Koppers Co, Plastics Div (P)
Polyvinyl Chems (P)
UBS Chem Corp (P)
Wica Chems (P)

LATICES, VINYL ACETATE

►AIR REDUCTION CHEM & CARBIDE CO (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Hostachem Corp
►NOPCO CHEM CO (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)

Adhesive Products Corp (P)
Alkydol Labs (P)
Borden Chem Co (P)
Clarkson Labs (P)
DeSoto Chem Coatings (P)
Dewey & Almy Chem Div (P)
Emkay Chem Co (P)
General Latex & Chem Corp (P)
B F Goodrich Chem Co (P)
Hart Products Corp (P)
Imperial Adhesives (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
Pierce & Stevens Chem Co (P)
Polyvinyl Chems (P)
Reichhold Chems, Inc (P)
Scholler Bros (P)
Wica Chems (P)

LATICES, VINYL CHLORIDE

Dow Chem Co (P)

Adhesive Products Corp (P)
American Alkyd Industries of Cal (P)
General Latex & Chem Corp (P)
B F Goodrich Chem Co (P)
Goodyear Tire & Rubber Co, Chems Div (P)
Firestone Plastics Co (P)
Imperial Adhesives (P)
National Starch & Chem Corp (P)
Wica Chems (P)

LATICES, VINYLIDENE CHLORIDE-ACRYLONITRILE

Dow Chem Co (P)

Wica Chems (P)

LATICES, VINYL PYRIDINE

H Kohnstamm & Co (P)

Borden Co (P)
General Tire & Rubber Co (P)
Firestone Plastics Co (P)
Naugatuck Chem Div (P)
Procter & Gamble Co (P)

LAUNDRY CHEMICALS see Scouring Compounds, Solvents, Soaps, Sodas, etc.

LAUROYL CHLORIDE

►TRUBEK LABS (P)

Borden Chem Co (P)
E F Drew & Co (P)
Montrose Chem Co (P)
Thompson Chem Co (P)

LAUROYL PEROXIDE (Dodecanoyl Peroxide)

►ACETO CHEM CO
►CHEMICAL SOLVENTS, INC
Lucidol Div, Wallace & Tiernan Inc (P)
►McKESSON & ROBBINS, CHEM DEPT
Nuodex Products Co (P)

Cadet Chem Corp (P)
Thompson Chem Co (P)
US Peroxygen Corp (P)

LAURYL ACID PHOSPHATE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►VICTOR CHEM WORKS (P)

LAURYL BROMIDE (n-Dodecyl Bromide)

►ACETO CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►HUMPHREY-WILKINSON (P)
Michigan Chem Corp (P)

Montrose Chem Co (P)

LAURYL CHLORIDE (n-Dodecyl Chloride)

►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►HUMPHREY-WILKINSON (P)

E F Drew & Co (P)
US Peroxygen Corp (P)

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LEAD ACETATE
Technical and N.F.

LEAD NITRATE
Technical

LEAD THIOCYANATE
Spec. JAN-L-65
Amendment 2

See page 66 for our complete listing.

J. T. BAKER CHEMICAL CO.
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LAURYL MERCAPTAN—see also Dodecyl Mercaptan
Aldrich Chem Co (P)
►HOOKER CHEM CORP (P)
►HUMPHREY-WILKINSON (P)
Naugatuck Chem Div (P)

LAURYL METHACRYLATE
Rohm & Haas Co (P)
Borden Chem Co (P)

LAURYL PYRIDINIUM CHLORIDE
Fine Organics (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Intex Chem Corp (P)
Barlow Chem Corp (P)

LAURYL SULFATE
Intex Chem Corp (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Process Chems Co
Treplow Chem Co (P)
Amalgamated Chem Corp (P)
Procter & Gamble Co (P)
Surfact Co (P)

LAYOR-CARANGA see Agar

LEAD ACETATE (Sugar of Lead, Goulard's Powder, Plumbous Acetate)
►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstaline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Filo Color & Chem Corp (P)
Fisher Scientific Co
►HARSHAW CHEM CO
Heico, Inc (P)
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
Millmaster Chem Corp
National Lead Co (P)

LEAD ACETATE, BASIC (Lead Acetate, Dibasic; Lead Subacetate)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Fisher Scientific Co
Heico, Inc (P)
Interstate Chem Corp
Mallinckrodt Chem Works (P)

LEAD ACETATE, DIBASIC see Lead Acetate, Basic

LEAD, ANTIMONIAL
Belmont Smelting & Refining Works (P)
Indussa Corp
International Selling Corp
Bunker Hill Co (P)
Division Lead Co (P)

LEAD ARSENATE (Plumbous Arsenate)
Chempar Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Rona Pearl Corp (P)
Sherwin-Williams Co (P)
Chipman Chem Co (P)
Ortho Div (P)
Los Angeles Chem Co (P)

LEAD AZIDE
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, EXPLOSIVES DEPT (P)

LEAD BENZOATE
City Chem Corp (P)

LEAD, BLACK see Graphite

LEAD BORATE (Plumbous Borate, Lead Drier)
Harshaw Chem Co (P)

LEAD BROMIDE
City Chem Corp (P)

LEAD CARBONATE (Plumbous Carbonate)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Mallinckrodt Chem Works (P)
National Lead Co (P)
Samincorp
Eagle-Picher Co (P)

LEAD CARBONATE, BASIC (Basic Carbonate, Ceruse, Lead Flake, Lead Subcarbonate, Cerussa)
►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
National Lead Co (P)
Revelli Chems, Inc
Samincorp
Eagle-Picher Co (P)

LEAD CHLORIDE (Plumbous Chloride)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Jordan Co (P)

LEAD CHROMATE (Leipzig Yellow, Chrome Yellow, Plumbous Chromate, Paris Yellow)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp
Fisher Scientific Co
Kentucky Color & Chem Co (P)
Mallinckrodt Chem Works (P)
Mineral Pigments Corp (P)
Revelli Chems, Inc
Samincorp
Sherwin-Williams Co (P)
American Cyanamid Co, Pigments Div (P)
Imperial Color Chem & Paper Dept (P)
Eagle-Picher Co (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

LEAD CYANAMIDE
►BAIRD CHEM INDUSTRIES, INC

LEAD DIOXIDE (Lead Peroxide; Lead Oxide, Brown; Puce; Lead Superoxide; Anhydrous Plumbic Acid)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Bunker Hill Co (P)
Metalead Products Corp (P)
Eagle-Picher Co (P)
Shepherd Chem Co (P)

LEAD 2-ETHYLHEXOATE (Lead Octoate)
►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)
Advance Solvents & Chem Div (P)
Metalead Products Corp (P)
Chase Chem Corp (P)
Shepherd Chem Co (P)
Eagle-Picher Co (P)
Fred'k A Stresen-Reuter Inc (P)
Ferro Chem Div (P)
Troy Chem Co (P)
McGean Chem Co (P)

LEAD FLAKE see Lead Carbonate, Basic

LEAD FLUOBORATE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

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LEAD FLUORIDE (Plumbous Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp
National Lead Co (P)

LEAD IODATE

City Chem Corp (P)

Andor Labs (P)

LEAD IODIDE (Plumbous Iodide)

City Chem Corp (P)
Mallinckrodt Chem Works (P)

Andor Labs (P)

LEAD LACTATE

City Chem Corp (P)

LEAD LINOLEATE (Lead Plaster, Plumbous Linoleate)

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Shepherd Chem Co (P)
Troy Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)

LEAD, METAL

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Belmont Smelting & Refining Works (P)
Fisher Scientific Co (P)
Indussa Corp
International Smelting Corp
Mallinckrodt Chem Works (P)
National Lead Co (P)
St Joseph Lead Co (P)
Var-Lac-Old Chem Co (P)

American Smelting & Refining Co (P)
Bunker Hill Co (P)
Division Lead Co (P)

LEAD MOLYBDATE

►J T BAKER CHEM CO (P)
City Chem Corp (P)
Climax Molybdenum Co (P)
Kentucky Color & Chem Co (P)
Millmaster Chem Corp (P)
Var-Lac-Old Chem Co (P)

American Cyanamid Co, Pigments Div (P)
Imperial Color Chem & Paper Dept (P)
North Metal & Chem (P)

LEAD MONOXIDE (Lead Oxide, Yellow; Litharge; Plumbous Oxide; Lead Protoxide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Fisher Scientific Co
Indussa Corp
Kraft Chem Co
Mallinckrodt Chem Works (P)
National Lead Co (P)
Revelli Chems, Inc
Samincorp

Eagle-Picher Co (P)
Evans Leads Corp (P)
Ortho Div (P)

LEAD NAPHTHENATE

Chemical Affiliates (P)
►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
Oronite Div (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Andor Labs (P)
California Ink Co (P)
Shepherd Chem Co (P)
Carlisle Chem Works (P)
Socony Mobil Oil Co (P)
Chase Chem Corp (P)
Fred'k A Stresen-Reuter Inc (P)
Ferro Chem Div (P)
Leffingwell Chem Co (P)
Troy Chem Co (P)

LEAD NITRATE (Plumbous Nitrate)

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Fisher Scientific Co
►HARSHAW CHEM CO
Lotte Chem Corp
Mallinckrodt Chem Works (P)
Millmaster Chem Corp (P)
Samincorp

Andor Labs (P)
Hummel Chem Co (P)
Carlisle Chem Works (P)
McGean Chem Co (P)

LEAD OLEATE (Plumbous Oleate)

Nuodex Products Co (P)
►WITCO CHEM CO (P)

Carlisle Chem Works (P)
Shepherd Chem Co (P)
Leffingwell Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Metalead Products Corp (P)
Troy Chem Co (P)

LEAD OXALATE

City Chem Corp (P)

LEAD OXIDE, BROWN see Lead Dioxide

LEAD OXIDE, RED (Red Lead, Minium, Plumbo-Plumbic Oxide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Fisher Scientific Co
Indussa Corp
Kraft Chem Co
Mallinckrodt Chem Works (P)
National Lead Co (P)
Prior Chem Corp
Revelli Chems, Inc
Samincorp

Eagle-Picher Co (P)
Bunker Hill Co (P)
Evans Lead Corp (P)

LEAD OXIDE, YELLOW see Lead Monoxide

LEAD PEROXIDE see Lead Dioxide

LEAD PLASTER see Lead Linoleate

LEAD POWDER

Belmont Smelting & Refining Works (P)
National Lead Co (P)
Var-Lac-Old Chem Co (P)

Borden Chem Co (P)
Metalead Products (P)
Division Lead Co (P)
Metallic Lead Industrial Products, Inc (P)
Evans Lead Corp (P)

LEAD PROTOXIDE see Lead Monoxide

LEAD, RED see Lead Oxide, Red

LEAD RESINATE (Plumbous Resinate)

►HARSHAW CHEM CO (P)

J Meyer & Sons (P)
Fred'k A Stresen-Reuter Inc (P)
Shepherd Chem Co (P)

LEAD SILICATE

►HARSHAW CHEM CO
National Lead Co (P)

Bunker Hill Co (P)
Evans Lead Corp (P)
Eagle-Picher Co (P)
Waverly Chem Co (P)

LEAD SILICATE, BASIC

National Lead Co (P)

Bunker Hill Co (P)
Eagle-Picher Co (P)

LEAD-SODIUM FLUORIDE

Evans Lead Corp (P)

LEAD STANNATE

City Chem Corp (P)
►METAL & THERMIT CORP (P)

LEAD STEARATE

►HARSHAW CHEM CO (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
Rona Pearl Corp (P)
►WITCO CHEM CO (P)

Leffingwell Chem Co (P)
Shepherd Chem Co (P)
Mathe Chem Co (P)

LEAD SUBACETATE see Lead Acetate, Basic

LEAD SUBCARBONATE see Lead Carbonate, Basic

LEAD, SUGAR OF see Lead Acetate

LEAD SULFATE (Lead Vitriol; Anglesite)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
Fisher Scientific Co (P)

Eagle-Picher Co (P)

LEAD SULFATE, BASIC (Sublimed White Lead)

National Lead Co (P)

Bunker Hill Co (P)
Eagle-Picher Co (P)

LEAD SULFIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

Eagle-Picher Co (P)

LEAD SUPEROXIDE see Lead Dioxide

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Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

LEAD TARTRATE

City Chem Corp (P)

Edcan Labs (P)

LEAD TETRAACETATE

Arapahoe Chems (P)
Millmaster Chem Corp (P)

Metalead Products Corp (P)

LEAD THIOCYANATE

►J T BAKER CHEM CO (P)

LEAD THIOSULFATE

City Chem Corp (P)
Kentucky Color & Chem Co (P)

LEAD TITANATE

►ACETO CHEM CO
►TITANIUM ALLOY MFG DIV (P)

LEAD TUNGSTATE (Lead Wolframate, Wolframate, Raspite, Stolzite, Plumbous Tungstate)

City Chem Corp (P)
Shwayder Chem Metallurgy Corp (P)
Var-Lac-Old Chem Co (P)

North Metal & Chem Co (P)

LEAD, VITRIOL see Lead Sulfate

LEAD WHITE see Lead Carbonate, Basic

LEAD, WHITE SUBLIMED see Lead Sulfate, Basic

LEAD ZIRCONATE

►TITANIUM ALLOY MFG DIV (P)

LEAF-GREEN see Chlorophyll

LEATHER GREASE see Degras

LEATHER, SHREDDED

Composition Materials Co (P)
E F Houghton & Co (P)

LEATHER TREATING COMPOUNDS

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Elec Co, Silicone Products (P)
Hercules Powder Co (P)
E & F King & Co
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Oronite Div (P)
Pennsylvania Industrial Chem Corp (P)
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

American Maize Products Co (P)
B B Chem Co (P)
Clarkson Labs (P)
Dixo Co (P)
E F Drew & Co (P)
Fiber Chem Corp (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Los Angeles Chem Co (P)
Mona Industries (P)
National Starch & Chem Corp (P)
Norton Chem Works (P)
Pyroxylin Products (P)
R & A Leather Finish (P)
Reilly-Whiteman-Walton (P)
Socony Mobil Oil Co (P)
Arthur C Trask Co (P)
Warwick Chem Div (P)
Wye Industries (P)

LECITHIN (Monoamino-Monophosphatide)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
W A Cleary Corp (P)
Fisher Scientific Co
General Mills, Specialty Products Div (P)
►R W GREEFF & CO
Pfaltz & Bauer, Inc
Pfanstiehl Labs
Republic Chem Corp
Welch, Holme & Clark Co

American Lecithin Co (P)
Fiber Chem Corp (P)
A E Staley Mfg Co (P)

LEMON CHROME see Barium Chromate

LEPIDOLITE

►AMERICAN POTASH & CHEM CORP (P)
Fairmount Chem Co (P)

Foote Mineral Co (P)

LEUCINE (α-Amino-Isocaproic Acid)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Fisher Scientific Co
►R W GREEFF & CO
Pfanstiehl Labs

Brothers Chem Co (P)
Kaplop Labs (P)

LEVARTERENOL BITARTRATE see l-Arterenol Bitartrate

LEVELING AGENTS, PAINT

Antara Chems Div (P)
Baker Castor Oil (P)
Dow Corning Corp (P)
Glyco Chems (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Synthetic Chems (P)
Union Carbide Corp, Silicones Div (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Colloids, Inc (P)
Continental Chem Co (P)
E F Drew & Co (P)
Jones-Dabney Co (P)
Mona Industries (P)
Procter & Gamble Co (P)
Raybo Chem Co (P)
Sandoz, Inc (P)
Stepan Chem Co, Industrial Chems Div (P)
R T Vanderbilt Co (P)

LEVELING AGENTS, PAPER

Antara Chems Div (P)
Baker Castor Oil (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
Verona-Pharma Chem Corp (P)
►WYANDOTTE CHEMS CORP (P)

Arnold, Hoffman & Co (P)
Bryant Chem Corp (P)
Ciba Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
E F Drew & Co (P)
C P Hall Co (P)
Hagan Chems & Controls (P)
Mona Industries (P)
Sandoz, Inc (P)
Titan Chem Products (P)
Wica Chems (P)

LEVELING AGENTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Baker Castor Oil Co (P)
Concord Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
M Michel & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rohm & Haas Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products Co (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Fabric Chem Co (P)
Finetex Inc (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Marathon Div (P)
Marlowe-Van Loan Corp (P)
Mona Industries (P)
Procter & Gamble Co (P)
Protean Chem Corp (P)
Refined Products Co (P)
Sandoz, Inc (P)
Scholler Bros (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
W Va Pulp & Paper Co, Polychems Div
Wica Chems (P)

LEVULOSE see Fructose

LEYDEN BLUE see Cobalt Blue

LIGNIN

Lake States Yeast & Chem Div (P)

Consolidated Water Power & Paper Co (P)
Hagan Chems & Controls (P)
Marathon Div (P)
W Va Pulp & Paper Co, Polychems Div

LIGNIN, ALKALI

Hagan Chems & Controls (P)
W Va Pulp & Paper Co, Polychems Div

LIGNIN SULFONATE

Lake States Yeast & Chem Div (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO

Consolidated Water Power & Paper Co (P)
Crown Zellerbach Corp (P)
Emkay Chem Co (P)
Hagan Chems & Controls (P)
Marathon Div (P)
Magnet Cove Barium Corp (P)
Puget Sound Pulp & Timber Co (P)
W Va Pulp & Paper Co, Polychems Div (P)

LIGNITE

American Colloid Co (P)
Charles A Wagner Co

Barold Div, National Lead Co (P)
United Fuel Gas Co (P)
Hayes-Sammons Chem Co (P)

LIGNITE WAX see Wax, Montan

LIGROIN see Petroleum Benzine

LIME ACETATE see Calcium Acetate

LIME, AGRICULTURAL

Aluminium Limited Sales
►McKESSON & ROBBINS, CHEM DEPT
►MINERALS & CHEMS PHILIPP CORP (P)
Mississippi Lime Co (P)

Austin White Lime Co (P)
Columbia Quarry Co (P)
Cutler-Magner Co (P)
Gibsonburg Lime Products Co (P)
Limestone Products Co (P)
Marblehead Lime Co (P)
H E Millard Lime & Stone Co (P)
Miller Products Co (P)
Moores Lime Co (P)
National Gypsum Co (P)
Ohio Lime Co (P)
Servtex Materials Co (P)
Smith Lime Flour Co (P)
United States Gypsum Co (P)
Warner Co (P)

LIME, CHLORIDE OF see Chlorinated Lime

LIME, HYDRATED (Calcium Hydroxide, Calcium Hydrate, Slaked Lime)

►AIR REDUCTION CHEM & CARBIDE CO (P)
Aluminium Limited Sales
Ash Grove Lime & Portland Cement Co (P)
Chemsol, Inc
Fisher Scientific Co
►HARSHAW CHEM CO
E & F King & Co
Kraft Chem Co
►McKESSON & ROBBINS, CHEM DEPT
►MINERALS & CHEMS PHILIPP CORP (P)
Mississippi Lime Co (P)
Opaico Lab
Smith Chem & Color Co
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels

Austin White Lime Co (P)
Columbia Quarry Co (P)
G & W H Corson, Inc (P)
Cutler-Magner Co (P)
Gibsonburg Lime Products Co (P)
Limestone Products Co (P)
Marblehead Lime Co (P)
H E Millard Lime & Stone Co (P)
Moores Lime Co (P)
National Gypsum Co (P)
Ohio Lime Co (P)
Smith Lime Flour Co (P)
Union Carbide Olefins Co (P)
United States Gypsum Co (P)
Warner Co (P)
Williams Lime Mfg Co (P)

LIME NITRATE see Calcium Nitrate

LIME PYROLIGNITE see Calcium Acetate

LIME, QUICK

Aluminium Limited Sales
Ash Grove Lime & Portland Cement Co (P)
Fisher Scientific Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►MINERALS & CHEMS PHILIPP CORP (P)
Mississippi Lime Co (P)

Austin White Lime Co (P)
Columbia Quarry Co (P)
Cutler-Magner Co (P)
Gibsonburg Lime Products Co (P)
Limestone Products Co (P)
Marblehead Lime Co (P)
H E Millard Lime & Stone Co (P)
Moores Lime Co (P)
National Gypsum Co (P)
Ohio Lime Co (P)
Smith Lime Flour Co (P)
Union Carbide Olefins Co (P)
United States Gypsum Co (P)
Warner Co (P)
Williams Lime Mfg Co (P)

LIME SALTPETER see Calcium Nitrate

LIME, SLAKED see Lime, Hydrated

LIME-SULFUR SOLUTION

Cutler-Magner Co (P)
Limestone Products Co (P)
Los Angeles Chem Co (P)
Miller Products Co (P)

LIMESTONE see Calcium Carbonate

LINALOOL

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)

Hoffmann-LaRoche (P)
Rhodia, Inc (P)
Schimmel & Co (P)
Shulton Inc (P)

LINALYL ACETATE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)

Hoffmann-LaRoche (P)
Rhodia, Inc (P)
Schimmel & Co (P)
Shulton Inc (P)

LINALYL FORMATE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Hoffmann-LaRoche (P)
Noville Essential Oil Co (P)

LINALYL ISOBUTYRATE

Dodge & Olcott (P)
Fairmount Chem Co (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Hoffmann-LaRoche (P)
Noville Essential Oil Co (P)

LINALYL PROPIONATE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)

Hoffmann-LaRoche (P)

LINDANE

Chemical Mfg Co
Chempar Chem Co (P)
Conray Products Co
Diamond Alkali Co (P)
Henley & Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
International Selling Corp
►S B PENICK & CO
Pennsalt Chems Corp (P)
Robeco Chems
H P Rossiger & Co
►STAUFFER CHEM CO
Thompson-Hayward Chem Co
Trio Chem Works (P)

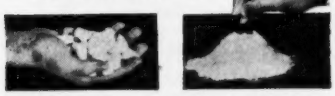
Ortho Div (P)
Roselle Labs (P)
Prentiss Drug & Chem Co (P)

LINNEN SEED see Oil, Linseed

(P) Company classifies itself as producer — See company directory for addresses — ►See catalog advertisement (Advertisers Index)

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for SERVICE
for UNIFORMITY



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H J Baker & Bro

Archer-Daniels-Midland Co (P)
Spencer Kellogg & Sons (P)

LINSEED OIL see Oil, Linseed

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Cabot Corp (P)
Esso Standard Oil (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Phillips Petroleum Co, Special Products Div (P)

United Fuel Gas Co (P)

LIQUID CAMPHOR see Oil, Camphor

LIQUID SCINTILLATION PHOSPHORS

►HARSHAW CHEM CO

Pilot Chems, Inc (P)

LITHARGE see Lead Monoxide

LITHIUM ACETATE

Fisher Scientific Co

Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM ALUMINATE

►LITHIUM CORP OF AMERICA (P)

LITHIUM ALUMINUM HYDRIDE

Belmont Smelting & Refining Works (P)
►METAL HYDRIDES INC (P)

LITHIUM AMIDE

Henley & Co
►LITHIUM CORP OF AMERICA (P)

LITHIUM BENZOATE

City Chem Corp

Foote Mineral Co (P)
Premium Chems (P)
Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM BORATE

►LITHIUM CORP OF AMERICA (P)
U S Borax

Foote Mineral Co (P)
Premium Chems (P)

LITHIUM BOROHYDRIDE

Aldrich Chem Co (P)
►METAL HYDRIDES INC (P)

Callery Chem Co (P)

LITHIUM BROMATE

City Chem Corp (P)

LITHIUM BROMIDE

►AMERICAN POTASH & CHEM CORP (P)
►J T BAKER CHEM CO (P)
Dow Chem Co (P)
Fisher Scientific Co
►LITHIUM CORP OF AMERICA (P)
Mallinckrodt Chem Works (P)
McKESSON & ROBBINS, CHEM DEPT

Maywood Chem Works, Div Stephan Chem Co (P)
Foote Mineral Co (P)

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Fisher Scientific Co
►HARSHAW CHEM CO
Henley & Co
►LITHIUM CORP OF AMERICA (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Tar Residuals
U S Borax
Var-Lac-Oid Chem Co (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM CHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO
►LITHIUM CORP OF AMERICA (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
U S Borax
Var-Lac-Oid Chem Co (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM CHROMATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

Fiber Chem Corp (P)
Foote Mineral Co (P)

LITHIUM CITRATE

U S Borax

Foote Mineral Co (P)
Premium Chems (P)
Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM COBALTITE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►LITHIUM CORP OF AMERICA (P)
Var-Lac-Oid Chem Co (P)

LITHIUM DICHROMATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
Var-Lac-Oid Chem Co (P)

Foote Mineral Co (P)

LITHIUM FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
Fisher Scientific Co
►HARSHAW CHEM CO
Kawecki Chem Co (P)
►LITHIUM CORP OF AMERICA (P)
U S Borax
Var-Lac-Oid Chem Co (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM HYDRIDE

►HARSHAW CHEM CO
►LITHIUM CORP OF AMERICA (P)
Var-Lac-Oid Chem Co (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM HYDROXIDE

►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
Fisher Scientific Co
►HARSHAW CHEM CO
►LITHIUM CORP OF AMERICA (P)
►McKESSON & ROBBINS, CHEM DEPT
Tar Residuals
U S Borax
Var-Lac-Oid Chem Co (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM HYDROXYSTEARATE

Baker Castor Oil Co (P)
►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)

Foote Mineral Co (P)
Leffingwell Chem Co (P)

LITHIUM IODATE

City Chem Corp (P)
RSA Corp (P)

LITHIUM IODIDE

City Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)
Mallinckrodt Chem Works (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)

Cooper Chem Co (P)
Foote Mineral Co (P)

LITHIUM LACTATE

City Chem Corp (P)

Premium Chems (P)

LITHIUM MANGANITE

►LITHIUM CORP OF AMERICA (P)
U S Borax

LITHIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
Belmont Smelting & Refining Works (P)
Kawecki Chem Co (P)
►LITHIUM CORP OF AMERICA (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Foote Mineral Co (P)
Gray Chem (P)
Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM MOLYBDATE

►BAIRD CHEM INDUSTRIES, INC
City Chem Corp (P)
►LITHIUM CORP OF AMERICA (P)
Millmaster Chem Corp (P)
Var-Lac-Oid Chem Co (P)

Foote Mineral Co (P)
North Metal & Chem Co (P)
Premium Chems (P)
S W Shattuck Chem Co (P)

LITHIUM NAPHTHENATE

Advance Solvents & Chem Div (P)
Premium Chems (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

LITHIUM NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►J T BAKER CHEM CO (P)
Davies Nitrate Co
Fisher Scientific Co
►LITHIUM CORP OF AMERICA (P)
Mallinckrodt Chem Works (P)
U S Borax

Maywood Chem Works, Div Stepan Chem Co (P)
Foote Mineral Co (P)

LITHIUM OXALATE

Fine Organics (P)
Fisher Scientific Co

Hartman-Leddon Co (P)
Premium Chems (P)
Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM PERCHLORATE

►AMERICAN POTASH & CHEM CORP (P)
►LITHIUM CORP OF AMERICA (P)

Foote Mineral Co (P)
HEF, Inc (P)

LITHIUM PERMANGANATE

Carus Chem Co (P)

LITHIUM RICINOLEATE

Baker Castor Oil Co (P)

Premium Chems (P)

LITHIUM SALICYLATE

City Chem Corp (P)

Maywood Chem Works, Div Stepan Chem Co (P)
Premium Chems (P)
Tennant Chem Div (P)

LITHIUM SILICATE

►LITHIUM CORP OF AMERICA (P)

LITHIUM SILICOFLUORIDE

►AMERICAN AGRICULTURAL CHEM CO
City Chem Corp (P)

Foote Mineral Co (P)

LITHIUM STEARATE

►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)
Prior Chem Corp
Whittaker, Clark & Daniels
►WITCO CHEM CO (P)

Foote Mineral Co (P)
Leffingwell Chem Co (P)
Maywood Chem Works, Div Stepan Chem Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

LITHIUM SULFATE

►J T BAKER CHEM CO (P)
Fisher Scientific Co
►LITHIUM CORP OF AMERICA (P)
Mallinckrodt Chem Works (P)
Maywood Chem Works, Div Stepan Chem Co (P)

LITHIUM TANNATE

City Chem Corp (P)
Premium Chems (P)

LITHIUM TARTRATE

City Chem Corp (P)
Premium Chems (P)

LITHIUM TETRABORATE

City Chem Corp (P)
Premium Chems (P)

LITHIUM THIOCYANATE

City Chem Corp (P)

LITHIUM TITANATE

►LITHIUM CORP OF AMERICA (P)
U S Borax

LITHIUM TUNGSTATE

City Chem Corp (P)
Var-Lac-Oid Chem Co (P)
North Metal & Chem Co (P)
Premium Chems (P)

LITHIUM ZIRCONATE

►LITHIUM CORP OF AMERICA (P)
U S Borax

LITHIUM ZIRCONIUM SILICATE

►LITHIUM CORP OF AMERICA (P)
U S Borax

LITHOPONE (Zinc Sulfide White, Sulfide White, Enamel White)

Sherwin-Williams Co (P)
Smith Chem & Color Co
Tar Residuals

LIVER, CONCENTRATES, EXTRACTS & FRACTIONS

Armour Pharmaceutical Co (P)
Biorganic Labs (P)
Glogau & Co (P)
Marine Products Co (P)
Reheis Co (P)
Riker Labs (P)
Roselle Labs (P)
Wilson Labs (P)

LIVER OF SULFUR see Potash, Sulfurated

LIVER ORE see Mercury Sulfide, Red

LUBRICANTS, CERAMIC MOLD

American Oil & Supply Co (P)
Esso Standard Oil (P)
Glyco Chems (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)
Stoney-Mueller, Inc
Synthetic Chems (P)
Joseph Turner & Co
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)
Acheson Colloids Co (P)
DuBois Co (P)
Emkay Chem Co (P)
Franklin Oil Corp (P)
Merix Chem Co (P)
Mona Industries (P)
Oakite Products (P)
Pro-Chem, Inc (P)
Renite Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Swift & Co, General Soap Dept (P)

LUBRICANTS, EXTREME PRESSURE

American Oil & Supply Co (P)
Esso Standard Oil (P)
►ETHYL CORP (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)
Acheson Colloids Co (P)
Almasol Corp (P)
Alpha-Molykote Corp (P)
Atlantic Refining Co (P)
James V Bibbo Co (P)
Crescent Oil Co (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Lehigh Chem Co (P)
Lubrication Engrs (P)
Magnet Cove Barium Corp (P)
McGee Chem Co (P)
Oil-Kraft, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
New York & New Jersey Lubricant Co (P)
Pro-Chem, Inc (P)
G Whitfield Richards (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Stepan Chem Co, Industrial Chems Div (P)
White & Bagley Co (P)
W A Wood Co (P)
Wye Industries (P)

LUBRICANTS, GRAPHITE

American Oil & Supply Co (P)
Esso Standard Oil (P)
Acheson Colloids Co (P)
American Grease Stick Co (P)
Asbury Graphite Mills (P)
Atlantic Refining Co (P)
Crescent Oil Co (P)
E F Drew & Co (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Kano Labs (P)
Lehigh Chem Co (P)
McGee Chem Co (P)
Magnet Cove Barium Corp (P)
New York & New Jersey Lubricant Co (P)
Pro-Chem, Inc (P)
Renite Co (P)
Rex Oil & Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
White & Bagley Co (P)
G Whitfield Richards (P)
E W Smith Chem Co (P)

LUBRICANTS, HALOCARBON

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
►HOOKER CHEM CORP (P)
Acheson Colloids Co (P)
Halocarbon Products Corp (P)
E F Houghton & Co (P)
Lehigh Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Pro-Chem, Inc (P)
Ram Chems (P)
G Whitfield Richards (P)

LUBRICANTS, HIGH-TEMPERATURE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Oil & Supply Co (P)
►CELANESE CHEM CO (P)
Dow Chem Co (P)
Dow Corning Corp (P)
Emery Industries (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
Hatco Chem Div (P)
Kessler Chem Co (P)
►METAL & THERMIT CORP (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Acheson Colloids Co (P)
Almasol Corp (P)
Alpha-Molykote Corp (P)
Deecy Products Co (P)
Franklin Oil Corp (P)
Kano Labs (P)
Lehigh Chem Co (P)
Lubrication Engrs (P)
McGee Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Montrose Chem Co (P)
National Polychems (P)
New York & New Jersey Lubricant Co (P)
Pro-Chem, Inc (P)
Renite Co (P)
Shell Oil Co (P)
E W Smith Chem Co (P)
Socony Mobil Oil Co (P)
Xanthippe Chems (P)

LUBRICANTS, METAL WORKING

American Oil & Supply Co (P)
►CELANESE CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
Emery Industries (P)
Esso Standard Oil (P)
►ETHYL CORP (P)
General Elec Co, Silicone Products (P)
Glyco Chems (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Pennsalt Chems Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Joseph Turner & Co (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

(Continued)

(P) Company classifies itself as producer
See company directory for addresses
►See catalog advertisement (Advertisers Index)

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DPi

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LUBRICANTS, METAL WORKING (continued)

Acheson Colloids Co (P)
Almasol Corp (P)
Alpha-Molykote Corp (P)
Atlantic Refining Co (P)
Barlow Chem Corp (P)
James V Bibbo Co (P)
Crescent Oil Co (P)
E F Drew & Co (P)
Franklin Oil Corp (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Lehigh Chem Co (P)
McGee Chem Co (P)
Mona Industries (P)
Nalco Chem Co (P)
New York & New Jersey Lubricant Co (P)
Northwest Chem Co (P)
Oakite Products (P)
Oil-Kraft, Inc (P)
Pennsylvania Refining Co (P)
Pro-Chem, Inc (P)
Reilly-Whiteman-Walton Co (P)
Renite Co (P)
Rex Oil & Chem Co (P)
G Whitfield Richards (P)
Shell Oil Co (P)
E W Smith Chem Co (P)
Socony Mobil Oil Co (P)
Swift & Co, General Soap Dept (P)
White & Bagley Co (P)
W A Wood Co (P)

LUBRICANTS, PLASTIC MOLD

►ALLIED CHEM CORP, NITROGEN DIV (P)
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Atlas Chem Industries, Chems Div (P)
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Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
Emery Industries (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
General Mills, Specialty Products Div (P)
Glyco Chems (P)
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Kessler Chem Co (P)
Mallinckrodt Chem Works (P)
Miller-Stephenson Chem Co (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
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Patent Chems (P)
►SONNEBORN CHEM & REFINING CORP (P)
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►SUN OIL CO (P)
Synthetic Chems (P)
Joseph Turner & Co (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
Wallach-Gracer Export Corp
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

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Almasol Corp (P)
Axel Plastics Research Labs (P)
Carlisle Chem Works (P)
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E F Drew & Co (P)
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Franklin Oil Corp (P)
E F Houghton & Co (P)
Krylon, Inc (P)
Lehigh Chem Co (P)
McGee Chem Co (P)
Merix Chem Co (P)
Mona Industries (P)
National Polychems (P)
Oakite Products (P)
Pro-Chem, Inc (P)
Ram Chems (P)
Socony Mobil Oil Co (P)
Swift & Co, General Soap Dept (P)
Wye Industries (P)

LUBRICANTS, POLYETHYLENE

Armour Industrial Chem Co (P)
Dow Chem Co (P)
Glyco Chems (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
Joseph Turner & Co (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Almasol Corp (P)
Axel Plastics Research Labs (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Lehigh Chem Co (P)
Merix Chem Co (P)
National Polychems (P)
Ram Chems (P)
Renite Co (P)
Tanatex Chem Corp (P)

LUBRICANTS, RUBBER MOLD

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Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div
Concord Chem Co
Dow Corning Corp (P)
►DU PONT, ELASTOMERS DEPT (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
Harwick Standard Chem Co
Mallinckrodt Chem Works (P)
Miller-Stephenson Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
M W Parsons-Plymouth (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
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►SUN OIL CO (P)
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Trio Chem Works (P)
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Union Carbide Corp, Silicones Div (P)
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Amalgamated Chem Corp (P)
Axel Plastics Research Labs (P)
Beacon Chem Industries (P)
Colgate-Palmolive Co (P)
E F Drew & Co (P)
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Foremost Food & Chem Co (P)
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C P Hall Co (P)
Lehigh Chem Co (P)
McGee Chem Co (P)
Merix Chem Co (P)
Mona Industries (P)
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Oakite Products (P)
Pro-Chem, Inc (P)
Procter & Gamble Co (P)
Ram Chems (P)
Renite Co (P)
Rex Oil & Chem Co (P)
Socony Mobil Oil Co (P)
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General Elec Co, Silicone Products (P)
Harwick Standard Chem Co
Union Carbide Corp, Silicones Div (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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Alpha-Molykote Corp (P)
American Grease Stick Co (P)
Axel Plastics Research Labs (P)
Aries Labs (P)
Hodag Chem Corp (P)
Lehigh Chem Co (P)
National Polychems (P)

LUBRICANTS, SYNTHETIC WAX

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Dow Chem Co (P)
Glyco Chems (P)
Kessler Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
American Grease Stick Co (P)
Carlisle Chem Works (P)
Halocarbon Products Corp (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Lehigh Chem Co (P)
Merix Chem Co (P)
Renite Co (P)
Frank B Ross Co (P)
Wica Chems (P)

LUBRICANTS, WOOL

Antara Chems Div (P)
Atlas Chem Industries, Chems Div (P)
Dow Corning Corp (P)
Emery Industries (P)
Esso Standard Oil (P)
Kessler Chem Co (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

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Bryant Chem Corp (P)
Continental Chem Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
New York & New Jersey Lubricant Co (P)
Procter & Gamble Co (P)
Reilly-Whitman-Walton Co (P)
Scholler Bros (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Titan Chem Products (P)
Wica Chems (P)
W A Wood Co (P)

LUGOL'S SOLUTION see Potassium Iodide

LUNAR CAUSTIC see Silver Nitrate

LUNAR CORNEA see Silver Chloride

LUTETIUM OXIDE

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►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)
►VITRO CHEM CO (P)

Research Chems (P)

LUTETIUM SALTS

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City Chem Corp
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)
►VITRO CHEM CO (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

2,4-LUTIDINE (2,4-Dimethylpyridine)

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►KOPPERS CO, TAR PRODUCTS DIV (P)
Reilly Tar & Chem Corp (P)

Brothers Chem Co (P)

2,6-LUTIDINE (Dimethyl Pyridine)

Midland Tar Distillers
Reilly Tar & Chem Corp (P)

Brothers Chem Co (P)

LUTIDINES, MIXED

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Browning Chem Corp
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Crowley Tar Products Co (P)

2,6-LUTIDINE-N-OXIDE

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LYCOPODIUM

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LYE see Soda, Caustic and Potash, Caustic

LYSINE

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dl-LYSINE DIHYDROCHLORIDE

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Merck Chem Div (P)
Pfanstiehl Labs (P)

Kaplop Labs (P)

dl-LYSINE MONOHYDROCHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Merck Chem Div (P)
Pfanstiehl Labs

Kaplop Labs (P)

l-LYSINE MONOHYDROCHLORIDE

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Dow Chem Co (P)
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Merck Chem Div (P)
Pfanstiehl Labs (P)
Chas Pfizer & Co (P)
George Uhe Co

Premium Chems (P)

M

MAGISTERY OF BISMUTH see Bismuth Subnitrate

MAGNESIA see Magnesium Oxide

MAGNESIA ALBA see Magnesium Carbonate

MAGNESITE

►BERKSHIRE CHEMS INC
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Kraft Chem Co
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Merck Marine Magnesium Div (P)
Michigan Chem Corp (P)
Morton Chem Co (P)
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L A Salomon & Bro
Smith Chem & Color Co
Tamms Industries
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Charles A Wagner Co
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Rohels Co (P)
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Woodbury Chem Co (P)

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►BERKSHIRE CHEMS INC
Dow Chem Co (P)
Fisher Scientific Co (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►HARSHAW CHEM CO
Howe & French
Interstate Chem Corp
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►McKESSON & ROBBINS, CHEM DEPT
Smith Chem & Color Co

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
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MAGNESIUM DICHROMATE

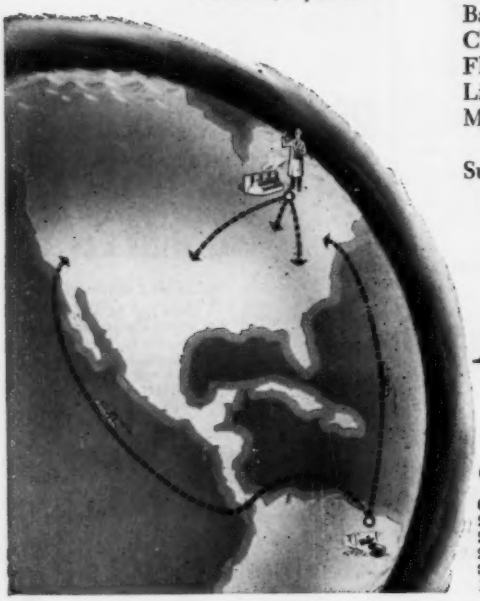
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Kawecki Chem Co (P)

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Roselle Labs (P)

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Merck Marine Magnesium Div (P)
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►S B PENICK & CO, NYQ CHEM DIV (P)
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Marblehead Lime Co (P)
Waverly Chem Co (P)

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Gallard-Schlesinger Chem Mfg Corp (P)
Andor Labs (P)

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Premium Chems (P)

MAGNESIUM LAURYL SULFATE

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Premium Chems (P)

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MAGNESIUM PERHYDROL see Magnesium Peroxide

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Hummel Chem Co (P)
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Smith Chem & Color Co
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Charles A Wagner Co
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AIC Chem Co (P)
R T Vanderbilt Co (P)
Commercial Minerals Co (P)

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Var-Lac-Old Chem Co (P)

Anderson Chem Div (P)

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Riches-Nelson, Inc
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Leffingwell Chem Co (P)
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Shepherd Chem Co (P)

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Fisher Scientific Co (P)
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Howe & French
Interstate Chem Corp
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►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
Chempar Chem Co (P)
Faesy & Besthoff
►S B PENICK & CO
Thompson-Hayward Chem Co

Chipman Chem Co (P)
Ortho Div (P)
Prentiss Drug & Chem Co (P)

MALAYAN CAMPHOR see Borneol

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

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Calcium Carbonates
Clays • Stearates

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(Magnesium sulfate—
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attractively priced

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ANHYDROUS
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technical, USP and dried
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PYROCATECHOL
ZINC OXIDE
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HA 2-0354

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►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Firstoline Corp
B T Chemco
►BAIRD CHEM INDUSTRIES, INC
Bergstrom Trading Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
M W Hardy & Co
►MONSANTO CHEM CO (P)
Oronite Div (P)
Pittsburgh Chem Co (P)
Prior Chem Corp

American Cyanamid Co, Plastics & Resins Div (P)
Petro-Tex Chem Corp (P)
Reichhold Chems, Inc (P)

MALEIC HYDRAZIDE

Naugatuck Chem Div (P)

MALONALDEHYDE

►KAY-FRIES CHEMS (P)

Naugatuck Chem Div (P)

MALONAMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►KAY-FRIES CHEMS (P)

MALONIC METHYL ESTER NITRILE see Methyl Cyanoacetate

MALONIC MONONITRILE see Acid, Cyanoacetic

MALONONITRILE (Methylene Dicyanide)

Aldrich Chem Co (P)
Fisher Chem Co
►KAY-FRIES CHEMS (P)

Gamma Chem Corp (P)
Winthrop Labs (P)

MALONYL UREA see Acid, Barbituric

MALTOSE (Maltsugar, Glucose-α-Glucoside)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

Pabst Brewing Co (P)

MANGANESE ACETATE (Manganous Acetate)

File Color & Chem Corp (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)

McGean Chem Co (P)
Shepherd Chem Co (P)

MANGANESE AMMONIUM SULFATE

►BAIRD CHEM INDUSTRIES, INC
City Chem Corp (P)

Laboratory Equipment Corp (P)

MANGANESE BINOXIDE see Manganese Dioxide

MANGANESE BORATE (Manganous Borate)

General Metallic Oxides Co (P)
J Meyer & Sons (P)
McGean Chem Co (P)
Shepherd Chem Co (P)

MANGANESE BROMIDE (Manganous Bromide)

Eastern Chem Corp (P)

MANGANESE CARBONATE (Manganese White, Dialozite)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

General Metallic Oxides Co (P)
McGean Chem Co (P)
J Meyer & Sons (P)
Manganese Chems Corp (P)
Shepherd Chem Co (P)

MANGANESE CHLORIDE (ic) (Manganese Trichloride)

►HARSHAW CHEM CO

McGean Chem Co (P)

MANGANESE CHLORIDE (ous)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Fisher Chem Co
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Indussa Corp
Mallinckrodt Chem Works (P)

General Metallic Oxides Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Manganese Chems Corp (P)

MANGANESE CHROMATE (Manganous Chromate)

City Chem Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

MALEIC ANHYDRIDE

High purity Maleic Anhydride manufactured by a basic producer. Samples and specification sheets upon request. Shipped as follows:

Molten—Tank Cars (100,000 lbs.) Tank Trucks (40,000 lbs.)

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Free flowing, high purity Fumaric Acid by a basic producer. Samples and specification sheets upon request. Shipped as follows: Crystals—Drums (250 lbs.) Leverpacs Crystals—Bags (50 lbs.)

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PITTSBURGH CHEMICAL COMPANY
A Subsidiary of
Pittsburgh Coke & Chemical Company
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Offices in
Pittsburgh, Pa., Paramus, N.J., Chicago, Ill.

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A highly reactive intermediate finding wide use in the manufacture of polyester resins, modified and upgraded drying oils, rosin sizes, surface active agents, plasticizers, agricultural chemicals, textile sizes and pharmaceuticals. Available in two grades—briquettes and molten.

AMERICAN CYANAMID COMPANY
Process Chemicals Department
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J.T.Baker CHEMICAL

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High-purity material for the Ceramic, Electronic and other industries. Also Nickel and Cobalt chemicals for these applications.

See page 66 for our complete listing

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PHILADELPHIA • LOS ANGELES

LAVINO

MANGANESE DIOXIDE
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MANGANOUS OXIDE
•
CHROMITE
•
OLIVINE

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Lavino is the only processor in the United States that has a complete range of Manganese Dioxides . . . battery-active, chemical, and metallurgical.

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As a prime producer of this product, Lavino offers a choice of grades for animal feed, fertilizer, or chemicals.

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E. J. LAVINO AND CO.
3 PENN CENTER PLAZA
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PENNSYLVANIA

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►J T BAKER CHEM CO (P)
Charles B Chrystal Co
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Indussa Corp
Kraft Chem Co
E J Lavino & Co (P)
Mallinckrodt Chem Works (P)
Smith Chem & Color Co

Beacon Chem Industries (P)
Manganese Chems Corp (P)
General Metallic Oxides Co (P)
Shepherd Chem Co (P)

MANGANESE, ELECTROLYTIC

►BAIRD CHEM INDUSTRIES, INC

Union Carbide Metals Co (P)
Foote Mineral Co (P)

MANGANESE ETHYLENE BIS-DITHIOCARBAMATE

International Selling Corp
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Rohm & Haas Co (P)

MANGANESE 2-ETHYLHEXOATE

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)

Advance Solvents & Chem Div (P)
Carlisle Chem Works (P)
Chase Chem Corp (P)
General Metallic Oxides Co (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

MANGANESE FLUORIDE (ic) (Manganese Trifluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

Manganese Chems Corp (P)

MANGANESE FLUORIDE (ous)

City Chem Corp (P)

MANGANESE GLUCONATE

Chas Pfizer & Co (P)

Premium Chems (P)

MANGANESE GLYCEROPHOSPHATE

Gallard-Schlesinger Chem Mfg Corp
►S B PENICK & CO, NYQ CHEM DIV (P)

MANGANESE HYDRATE

►BAIRD CHEM INDUSTRIES, INC
►HARSHAW CHEM CO (P)
E J Lavino & Co (P)

General Metallic Oxides Co (P)
Manganese Chems Corp (P)

MANGANESE HYPOPHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

MANGANESE LINOLEATE

►HARSHAW CHEM CO
Hilton-Davis Chem Co Div (P)

McGean Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Premium Chems (P)
Shepherd Chem Co (P)

MANGANESE, METAL

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
Belmont Smelting & Refining Works (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Foote Mineral Co (P)
Hummel Chem Co (P)
Metals & Controls Inc (P)
Union Carbide Metals Co (P)

MANGANESE NAPHTHENATE

Chemical Affiliates (P)
►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
Oronite Div (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Carlisle Chem Works (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
Leffingwell Chem Co (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

MANGANESE NITRATE (Manganous Nitrate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)

Manganese Chems Corp (P)

MANGANESE OLEATE

Manganese Chems Corp (P)
Premium Chems (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

MANGANESE OXIDE (ous) (Manganese Protoxide)

►BAIRD CHEM INDUSTRIES, INC
Bonewitz Chems
Indussa Corp
E J Lavino & Co (P)
►McKESSON & ROBBINS, CHEM DEPT
E M Sergeant Pulp & Chem Co
Tennessee Corp (P)

Foote Mineral Co (P)
Manganese Chems Corp (P)
General Metallic Oxides Co (P)

MANGANESE OXIDE (ous-ic)

Foote Mineral Co (P)
Manganese Chems Corp (P)

MANGANESE PEROXIDE see Manganese Dioxide

MANGANESE PROTOXIDE see Manganese Oxide (ous)

MANGANESE RESINATE

B T Chemco
Bergstrom Trading Co
►HARSHAW CHEM CO (P)

J Meyer & Sons (P)
Fred'k A Stresen-Rueter Inc (P)
Premium Chems (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

MANGANESE STEARATE

Millmaster Chem Corp
Prior Chem Corp
►WITCO CHEM CO (P)

Mathe Chem Co (P)
Premium Chems (P)
Shepherd Chem Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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MANGANESE SULFATE (Manganous Sulfate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BERKSHIRE CHEMS INC
Bonowitz Chems
Carus Chem Co (P)
City Chem Corp (P)
►EASTMAN CHEM PRODUCTS (P)
Fallek Chem Corp
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Indussa Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Tennessee Corp (P)

General Metallic Oxides Co (P)
Chem-Met Corp (P)
McGean Chem Co (P)

MANGANESE SULFIDE

City Chem Corp (P)
Foote Mineral Co (P)

MANGANESE TALLATE

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Metalead Products Corp (P)
Shepherd Chem Co (P)
Fred'k A Stresen-Reuter Inc (P)
Troy Chem Co (P)

MANGANESE TITANIUM

Belmont Smelting & Refining Works (P)

MANGANESE TRIFLUORIDE see Manganese Fluoride (ic)

MANGANESE WHITE see Manganese Carbonate

MANILA ELEMI see Gum, Elemi

MANIOC ROOT see Tapioca Flour

MANNIDES see Mannitol Esters

MANNITANS see Mannitol Esters

MANNITOL (Mannite)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Atlas Chem Industries, Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Pfanstiehl Labs
Edward Mendell Co (P)

MANNITOL BORATE

Atlas Chem Industries, Chems Div (P)

MANNITOL ESTERS (Mannides, Mannitans, etc.)

Atlas Chem Industries, Chems Div (P)

MANNITOL HEXANITRATE (Hexanitromannite, HNM)

Atlas Chem Industries, Chems Div (P)
Midland Tar Distillers

MANNOSE

Burtonite Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pfanstiehl Labs (P)

MARBLE DUST see Calcium Carbonate

MARBLE FLOUR

Smith Chem & Color Co
Tamms Industries
Benjamin Foster Co (P)

MARSH Gas see Methane

MASSICOT see Lead Monoxide

MASTICHE see Gum, Mastic

MASTIX see Gum, Mastic

MEADOW GREEN see Copper Acetoarsenite

MEAT SALT see Ammonium Fluoride

MECCA GALLS see Nutgalls

MELAMINE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Browning Chem Corp
M W Hardy & Co
►MONSANTO CHEM CO (P)
American Cyanamid Co, Plastics & Resins Div (P)

MELANILINE see Diphenyl Guanidine

MENADIONE (Menaphthone; Vitamin K_3)

►ABBOT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Gano's Chem Works
►R W GREEFF & CO
Hoffman Labs (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Vitamins, Inc (P)

Arenol Chem Corp (P)
Clinical Chems Corp (P)
Freeman Industries (P)
Roselle Labs (P)

MENAPHTHONE see Menadione

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TC
TENNESSEE CORPORATION

MANGANOUS OXIDE
(Nu-Manese)

ANALYSIS

Mn .....Min. 48%
Available O_2 ..... 0.3%
H_2O 1.0%

100 pound multiwall bags

MANGANESE SULFATE
(Fertilizer Grade)

ANALYSIS

Mn 23.6%

SCREEN ANALYSIS

60 mesh 46.5%
40 mesh 58.0%
20 mesh 75.0%
10 mesh 97.5%

100 pound multiwall bags
Bulk box cars

For further information
Phone JAckson 3-5024.

TENNESSEE CORPORATION
612-629 Grant Building, Atlanta 3, Georgia

MELAMINE
CYANAMID

A valuable triazine (six replaceable hydrogens) that is finding an ever-increasing number of uses in industry. Among these are the manufacture of thermosetting resins for molding—surface coatings—paper—adhesives—tanning—ion exchange—laminating and textiles.

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"ZAPPA"
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MENTHOL, NATURAL

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Biddle Sawyer Corp
Dodge & Olcott
Dura Commodities Corp
Florasynth Labs
Fritzsche Bros
Chas L Huisking & Co
Mallinckrodt Chem Works (P)
Robeco Chems
L E Simmons Refining Co (P)
George Uhe Co

Prentiss Drug & Chem Co (P)
Schimmel & Co (P)

MENTHOL, SYNTHETIC

Alvares-Terner Corp
Biddle Sawyer Corp
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
Henley & Co
Chas L Huisking & Co
George Uhe Co

Fries Bros (P)
Schimmel & Co (P)
Shulton Inc (P)

MENTHYL ACETATE

Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
Henley & Co

MENTHYL SALICYLATE (Samol, Salimenthol)

Florasynth Labs
Fritzsche Bros (P)
►R W GREEFF & CO

Fries Bros (P)

MENTHYL VALERATE

Fairmount Chem Co (P)
Fritzsche Bros (P)

MEPHOBARBITAL

Gane's Chem Works
►R W GREEFF & CO
George Uhe Co

Biorganic Labs (P)
Winthrop Labs (P)

MERBROMIN

►S B PENICK & CO, NYQ CHEM DIV (P)

MERCAPTANS

Amoco Chems Corp (P)
►EVANS CHEMETICS (P)
Fallek Chem Corp
►HUMPHREY-WILKINSON (P)
Oronite Div (P)
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)

Kaplop Labs (P)
Natural Gas Odorizing (P)
Naugatuck Chem Div (P)
Pitt-Consol Chem Co (P)
Signal Oil & Gas Co (P)
Wateree Chem Co (P)

2-MERCAPTOBENZIMIDAZOLE

Aldrich Chem Co (P)
Eastern Chem Corp (P)
RSA Corp (P)

Dynacolor Corp (P)

MERCAPTOBENZOTHIAZOLE

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►MONSANTO CHEM CO (P)

Naugatuck Chem Div (P)
Reade Mfg Co (P)
Winthrop Labs (P)

2-MERCAPTOETHANOL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Union Carbide Chems Co (P)

Tryion Chems (P)

β-MERCAPTOETHYLAMINE HYDROCHLORIDE

►EVANS CHEMETICS (P)
K & K Labs (P)

2-MERCAPTOTHIAZOLINE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)

MERCERIZING ASSISTANTS

Dow Chem Co (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
►HOOKER CHEM CORP (P)
M Michel & Co
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
Valchem (P)

Amalgamated Chem Corp (P)
Eastern Color & Chem (P)
E F Houghton & Co (P)
Standard Chem Products (P)
Mona Industries (P)
Stepan Chem Co, Industrial Chems Div (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Jacques Wolf & Co (P)

MERCURIAL OINTMENT

Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
Wood Ridge Chem Corp (P)

MERCUROPHYLLINE

Fine Organics (P)
Specific Pharmaceuticals, Chemetron Corp (P)

MERCURY (Liquid Silver, Quicksilver, Hydrargyrum)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Belmont Smelting & Refining Works (P)
Chemical Mfg Co
J H DeLamar & Son
Fisher Scientific Co
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
International Selling Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
Metalsalts Corp (P)
Republic Chem Corp
L E Simmons Refining Co (P)
Thompson-Hayward Chem Co
Wood Ridge Chem Corp

Bram Metallurgical-Chem Co (P)
Quicksilver Products (P)
Stieh Chems Inc (P)
Texas American Mercury Co (P)
Williams Gold Refining Co (P)

MERCURY ACETATE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co
Heico, Inc (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
George Uhe Co
Wood Ridge Chem Corp (P)

Troy Chem Co (P)

MERCURY, AMMONIATED (Ammoniated Mercury Chloride, White Precipitate, Amido-Mercuric Chloride)

Chempar Chem Co
Gallard-Schlesinger Chem Mfg Corp
►HARSHAW CHEM CO (P)
H Kohnstamm & Co (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Robeco Chems
Wood Ridge Chem Corp (P)

Troy Chem Co (P)

MERCURY BICHLORIDE see Mercury Chloride (ic)

MERCURY BINIODIDE see Mercury Iodide (ic)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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MERCURY BISULFATE see Mercury Sulfate (ic)

MERCURY BLEND see Mercury Sulfide, Red

MERCURY BROMATE (ic)

Mallinckrodt Chem Works (P)
Metalsalts Corp (P)

MERCURY CHLORIDE (ic) (Corrosive Sublimate, Mercury Bichloride, Mercury Chloride, Mercury Protochloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV
►J T BAKER CHEM CO (P)
W A Cleary Corp (P)
European Chem Co
International Selling Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Rovelli Chems, Inc
Robeco Chems
Wood Ridge Chem Corp (P)
Texas American Mercury Co (P)
Troy Chem Co (P)

MERCURY CHLORIDE (ous) (Calomel, Mercury Monochloride, Mild Mercury Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
European Chem Co
Fisher Scientific Co
Gallard-Schlesinger Chem Mfg Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Rovelli Chems, Inc
Wood Ridge Chem Corp (P)
Precision Chem Corp (P)

MERCURY CHLORIDE, AMMONIATED see Mercury, Ammoniated

MERCURY CHLORIDE, MILD see Mercury Chloride (ous)

MERCURY CYANIDE (ic)

J H DeLamar & Son
Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
Robeco Chems
Wood Ridge Chem Corp (P)
Precision Chem Corp (P)

MERCURY FLUORIDE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
►HARSHAW CHEM CO (P)
Metalsalts Corp (P)

MERCURY IODIDE (ic) (Mercury Biniodide)

Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
Chas Pfizer & Co (P)
Robeco Chems
Wood Ridge Chem Corp (P)

MERCURY IODIDE (ous) (Green Mercury Protoiodide)

Metalsalts Corp (P)

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- Prime Virgin
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200 Wagaraw Rd.,
Hawthorne, N. J.
Phone: (N. Y.) PE 6-2626
(N. J.) HA 7-6000

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

MALLINCKRODT MERCURIALS

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- MERCURIC OXIDE
- MERCURIC ACETATE
- MERCURY AMMONIATED

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Metalsalts Corp (P)
Nuodex Products Co (P)
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►McKESSON & ROBBINS, CHEM DEPT
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►COMMERCIAL SOLVENTS CORP

Ortho Div (P)

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Division Lead Co (P)

METALS, PASTE

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►REYNOLDS METALS CO (P)

Atlantic Powdered Metals (P)
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Gold Leaf & Metallic Powders (P)

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Belmont Smelting & Refining Works (P)
City Chem Corp
►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co
Goldsmith Bros Div (P)
►METAL HYDRIDES (P)
National Lead Co (P)
►REYNOLDS METALS CO (P)
Riches-Nelson, Inc
Shwayder Chem Metallurgy Corp (P)
Var-Lac-Old Chem Co (P)

Atlantic Powdered Metals (P)
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METHANOL see Alcohol, Methyl

METHAPYRILENE FUMARATE
►ABBOTT LABS (P)
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METHENYL TRICHLORIDE see Chloroform

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1-METHOXY-2-AMINO-4-CHLOROBENZENE see Chloroanisidine

6-METHOXY-8-AMINOQUINOLINE
Fisher Chem Co
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o-METHOXYBENZALDEHYDE see o-Anisaldehyde

p-METHOXYBENZALDEHYDE see Anisaldehyde

3-METHOXYBUTANOL
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3-METHOXY-4-HYDROXYBENZALDEHYDE see Vanillin

METHOXYMETHANE see Ether, Dimethyl

2-METHOXY-4-METHYLPHENOL see Creosol

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o-METHOXYPHENOL see Guaiacol

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Gallard-Schlesinger Chem Mfg Corp
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Union Carbide Chems Co (P)
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►CELANESE CHEM CO (P)
Dow Chem Co (P)
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2-METHYL ALANINE
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
RSA Corp (P)

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FMC Corp, Chems & Plastics Div (P)
Borden Chem Co (P)

METHYL ALLYL ACETONE (Methallyl Acetone)
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METHYL-o-AMINOBENZOATE see Methyl Anthranilate

METHYL-m-AMINO-p-HYDROXYBENZOATE

RSA Corp (P)

N-METHYL-p-AMINOPHENOL SULFATE

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Philip A Hunt Co
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2-METHYLAMINO-1-PHENYLPROPANE see Desoxyephedrine

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►DU PONT, DYES & CHEMS DIV (P)
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1-METHYLANTHRACENE

Aldrich Chem Co (P)

2-METHYLANTHRACENE

Aldrich Chem Co (P)

METHYL ANISATE

Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
Fries Bros (P)

METHYL ANTHRANILATE (Methyl-o-Aminobenzoate)

Dow Chem Co (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Shulton Inc (P)

2-METHYLANTHRAQUINONE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

p-METHYL BENZALDEHYDE see p-Tolyl Aldehyde

METHYLBENZENE see Toluol

METHYL BENZOATE (Essence of Niobe, Oil of Niobe)

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
Heyden Newport Chem Corp (P)
Clinical Chems Corp (P)

α-METHYL BENZYL ACETATE see Methyl Phenyl Carbinol Acetate

α-METHYL BENZYLAMINE

►R W GREEFF & CO (P)

METHYL BORATE

►METAL HYDRIDES (P)
Riches-Nelson, Inc
U S Borax (P)
Anderson Chem Div (P)
Hukill Chem Corp (P)
Callery Chem Co (P)
Montrose Chem Co (P)

METHYL BROMIDE (Bromomethane)

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►BAIRD CHEM INDUSTRIES, INC
Dow Chem Co (P)
Great Lakes Chem Corp (P)
J F Henry Chem Co
Kolker Chem Corp (P)
►McKESSON & ROBBINS, CHEM DEPT
Michigan Chem Corp (P)
Wallach-Gracer Export Corp
William E Phillips Inc

2-METHYL BROMOACETATE

Dow Chem Co (P)

2-METHYL BUTADIENE-1,3 see Isoprene

2-METHYLBUTANE see Isopentane

2-METHYLBUTENE-2

Phillips Petroleum Co, Special Products Div (P)

3-METHYLBUTENE-1

Phillips Petroleum Co, Special Products Div (P)

2-METHYLBUTYLAMINE

Union Carbide Chems Co (P)
Ames Labs (P)
Freeman Industries (P)

METHYL-tert.-BUTYL KETONE see Pinacolone

2-METHYL-3-BUTYN-2-OL (Dimethyl Ethynyl Carbinol)

►AIR REDUCTION CHEM & CARBIDE CO (P)
Wallach-Gracer Export Corp

METHYL-n-BUTYRATE

Fritzsche Bros (P)

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Emery Industries (P)
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Marcus Ruth Jerome Co (P)
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METHYL CARBAMATE

►R W GREEFF & CO

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METHYL CELLULOSE
►ACETO CHEM CO
Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
George Mann & Co

METHYL CHLORIDE (Chloromethane, Arctic Essence)
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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Ansul Chem Co (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Morton Chem Co (P)
Pennsalt Chems Corp (P)

METHYL CHLOROACETATE
►ACETO CHEM CO
►BENZOL PRODUCTS CO (P)
Dow Chem Co (P)
Hostachem Corp
►KAY-FRIES CHEMS (P)

METHYL CHLOROFORMATE
Aldrich Chem Co (P)
FMC Corp, Chems & Plastics Div (P)

METHYL CINNAMATE
Bodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
Fries Bros (P)

METHYL COUMARIN
Fritzsche Bros
Givaudan-Delawanna (P)
Rhodia, Inc (P)

METHYL CROTONATE
Eastern Chem Corp (P)
►EASTMAN CHEM PRODUCTS (P)
Edcan Labs (P) Kaplop Labs (P)

METHYL CYANIDE see Acetonitrile

METHYL CYANOACETATE (Malonic Methyl Ester Nitrile)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Chem Co
►KAY-FRIES CHEMS (P)
Gamma Chem Corp (P)

METHYL CYCLOHEXANE
Dow Chem Co (P)
Phillips Petroleum Co, Special Products Div (P)
Signal Oil & Gas Co (P)

METHYL CYCLOHEXANOL (Hexahydrocresol)
►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC

METHYL CYCLOHEXANONE
►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC

METHYL CYCLOPENTANE
Phillips Petroleum Co, Special Products Div (P)

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►KAY-FRIES CHEMS (P)

METHYL DICHLOROSTEARATE
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

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Union Carbide Chems Co (P)

METHYL DIETHYL MALONATE (Monomethyl Diethyl Malonate)
►BENZOL PRODUCTS CO (P)
Var-Lac-Old Chem Co (P)

1-METHYL-2-DIMETHYLAMINO-4-HYDROXYBENZENE see 2-Dimethylamino-4-Hydroxy-1-Methylbenzene

N,N′-METHYLENE BISACRYLAMIDE
American Cyanamid Co, Market Development Dept (P)
Borden Chem Co (P)

4,4′-METHYLENE BIS (o-CHLOROANILINE)
►DU PONT, DYES & CHEMS DIV (P)

2,2′-METHYLENE BIS(4-CHLOROPHENOL) see Dichlorophene

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►KOPPERS CO, CHEMS & DYESTUFS DIV (P)
Mallinckrodt Chem Works (P)
American Cyanamid Co, Fine Chems Dept (P)
Ciba Co (P)

METHYLENE BROMIDE (Dichloromethane)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Michigan Chem Corp (P)

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
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American Mineral Spirits Co
R J Brown Co
Chemical Mfg Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Conray Products Co
DeMert & Dougherty, Inc
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co (P)
Frontier Chem
Glebe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Hostachem Corp
Howe & French
International Selling Corp
►JONES CHEMS, INC
Kolker Chem Corp (P)
Lotte Chem Corp
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
William E Phillips Inc
J U Starkweather Co
►STAUFFER CHEM CO (P)
Stoney-Mueller, Inc
Prentiss Drug & Chem Co (P)
Frontier Chem Co (P)

METHYLENE CHLOROBROMIDE

Dow Chem Co (P)

p,p'-METHYLENEDIANILINE

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Dow Chem Co (P)
Miller-Stephenson Chem Co (P)
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METHYLENE DICHLOROBROMIDE see Bromodichloromethane

METHYLENEDIMETHYLATE see Methylal

METHYLENE DICYANIDE see Malononitrile

METHYLENEDIPHENYL see Diphenyl Methane

METHYLENE IODIDE (Diiodomethane)

►ACETO CHEM CO (P)
City Chem Corp
Distillation Products Industries (P)
Eastern Chem Corp (P)
RSA Corp (P)
Var-Lac-Old Chem Co (P)
Andor Labs (P)
Edcan Labs (P)
National Biochem Co (P)
Tennant Chem Div (P)

METHYL ESTER OF TALL OIL

Hercules Powder Co (P)
Var-Lac-Old Chem Co (P)

METHYL ESTER OF TUNG OIL

Pacific Vegetable Oil Corp (P)

METHYL ETHYL CARBINOL see Alcohol, sec.-Butyl

METHYL ETHYLENE GLYCOL see Propylene Glycol

β-METHYL-β-ETHYLGLUTARIMIDE

Aldrich Chem Co (P)
Hexagon Labs (P)

METHYL ETHYL KETONE

►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
DeMert & Dougherty, Inc
►ENJAY CHEM CO (P)
Fisher Scientific Co (P)
►JONES CHEMS, INC
E & F King & Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
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Lucidol Div, Wallace & Tiernan Inc (P)
►McKESSON & ROBBINS, CHEM DEPT
Miller-Stephenson Chem Co (P)
Nuodex Products Co (P)
Thompson-Hayward Chem Co
Archer-Daniels-Midland Co (P)
Cadet Chem Corp (P)
Reichhold Chems, Inc (P)
Specialty Chems Div (P)
U S Peroxygen Corp (P)

METHYL ETHYL KETOXIME

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►COMMERCIAL SOLVENTS CORP (P)
Nuodex Products Co (P)
Advance Solvents & Chem Div (P)
Ames Labs (P)
Andor Labs (P)
Troy Chem Co (P)

2-METHYL-5-ETHYL PYRIDINE

Union Carbide Chems Co (P)

METHYL ETHYNYL CARBINOL see 3-Butyn-2-ol

N-METHYL FORMANILIDE

►ACETO CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►MILES CHEM CO (P)

METHYL FORMATE (Methyl Formic Acid Ester)

►J T BAKER CHEM CO (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Stoney-Mueller, Inc

2-METHYLFURAN

►QUAKER OATS CO (P)

METHYL GALLATE

D F Goldsmith Chem & Metal Corp

α-METHYL-d-GLUCOSIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pfanstiehl Labs (P)
Corn Products Co (P)

METHYL GLYOXYLATE, DIMETHYL ACETAL

►KAY-FRIES CHEMS (P)

METHYL HEPTENONE

Aldrich Chem Co (P)
Fritzsche Bros
Givaudan-Delawanna (P)
►TRUBEK LABS (P)

METHYL HEPTINE CARBONATE

Fritzsche Bros
Givaudan-Delawanna (P)
Industrial Chem & Dye Co

METHYLHEXANONE see Methyl Hexyl Ketone

METHYL HEXYL CARBINOL see Alcohol, sec.-n-Octyl

METHYL HEXYL KETONE (Methylhexanone, Hexylmethyl Ketone)

Columbian Carbon Co
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Harchem Div, Wallace & Tiernan Inc (P)

2-METHYL HYDROQUINONE see Toluhydroquinone

METHYL HYDROXIDE see Alcohol, Methyl

METHYL-p-HYDROXYBENZOATE

►ACETO CHEM CO
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
Washine Chem Corp (P)
Heyden Newport Chem Corp (P)
Fries Bros (P)
Poly Chemical Labs (P)

2-METHYL-3-HYDROXY 4,5-DIHYDROXYMETHYLPYRIDINE HYDROCHLORIDE see Vitamin B_6

METHYLHYDROXYISOPROPYL BENZENE see Thymol

METHYL HYDROXYSTEARATE

Baker Castor Oil Co (P)
Emery Industries (P)

METHYL IODIDE (Iodomethane)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Eastern Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)
Philip J LoBue Co
Mallinckrodt Chem Works (P)
RSA Corp (P)
Var-Lac-Oid Chem Co (P)
Andor Labs (P)
Clinical Chems Corp (P)
Mathe Chem Co (P)
U S Oils & Chems (P)

METHYL IONONES

Aldrich Chem Co (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)

METHYLISOBUTENYLKETONE see Mesityl Oxide

METHYL ISOBUTYL CARBINOL see Alcohol, Methyl Amyl

METHYL ISOBUTYL CARBINOL ACETATE see Methyl Amyl Acetate

METHYL ISOBUTYL KETONE (Hexone)

►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
Howe & French
►JONES CHEMS, INC
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
J U Starkweather Co
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
Union Carbide Chems Co (P)

METHYL ISOEUGENOL

Fritzsche Bros (P)
Givaudan-Delawanna (P)
►R W GREEFF & CO
Felton Chem Co (P)
Fries Bros (P)

METHYL ISONICOTINATE

RSA Corp (P)
Reilly Tar & Chem Corp (P)

METHYLISOPROYLBENZENE see Cymene

METHYL ISOPROPYL KETONE

►ACETO CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC

METHYL ISOPROPYL PHENOL see Thymol

METHYL ISOQUINOLINE

Aldrich Chem Co (P)
K & K Labs (P)

METHYL LAURATE

Applied Science Labs (P)
Emery Industries (P)
Fritzsche Bros (P)
Marcus Ruth Jerome Co (P)
Foremost Food & Chem Co (P)
Brothers Chem Co (P)

METHYL LINOLEATE

Applied Science Labs (P)
Pacific Vegetable Oil Corp (P)
Hodag Chem Corp (P)

METHYL MAGNESIUM BROMIDE

Arapahoe Chems (P)
Millmaster Chem Corp (P)
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Millmaster Chem Corp (P)

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Amoco Chems Corp (P)
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Wallach-Gracer Export Corp

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►DU PONT, ELECTROCHEMS DEPT (P)
Rohm & Haas Co (P)
Sartomer Resins, Inc (P)
Borden Chem Co (P) Escambia Chem Corp (P)

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►DU PONT, ELECTROCHEMS DEPT (P)
Rohm & Haas Co (P)
Sartomer Resins, Inc (P)
Borden Chem Co (P)

METHYL-b-METHOXYPROPIONATE
Beacon Chem Industries (P)

N-METHYL MORPHOLINE
►ACETO CHEM CO
►JEFFERSON CHEM CO (P)
K & K Labs
Union Carbide Chems Co (P)

METHYL MYRISTATE
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
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Alvares-Terner Corp
Henley & Co
Reilly Tar & Chem Corp (P)
Edcan Labs (P)

2-METHYL-1,4-NAPHTHOQUINONE see Vitamin K

METHYL NAPHTHYL KETONE
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO

METHYL NICOTINATE
Aldrich Chem Co (P)
►R W GREEFF & CO
Reilly Tar & Chem Corp (P)
RSA Corp (P)
Beacon Chem Industries (P) Polychemical Labs (P)
Nepera Chem Co (P) Roselle Labs (P)

METHYL NONYL KETONE
Armour Industrial Chem Co (P)
Fritzsche Bros
Givaudan-Delawanna (P)

METHYLOL ACRYLAMIDE
American Cyanamid Co, Market Development Dept (P)

METHYL OLEATE
Applied Science Labs (P)
Emery Industries (P)
Marcus Ruth Jerome Co (P)
►NOPCO CHEM CO (P)
Var-Lac-Oid Chem Co
Emkay Chem Co (P) Neatsfoot Oil Refineries (P)
Foremost Food & Chem Co (P) Wica Chems (P)
Hodag Chem Corp (P)

METHYL ORANGE (Orange III, Gold Orange, Tropaeolin D, Sodium p-Dimethylaminoazobenzene-sulfonate, Helianthin B)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Mallinckrodt Chem Works (P)
Andor Labs (P) Matheson Coleman & Bell (P)
Atlantic Chem Corp (P)
Edward Mendell Co (P)

METHYL OXIDE see Ether, Dimethyl

METHYL PALMITATE
Applied Science Labs (P)
Emery Industries (P)
Marcus Ruth Jerome Co (P)
Foremost Food & Chem Co (P) Stepan Chem Co, Industrial Chems Div (P)

METHYL PARATHION
►MONSANTO CHEM CO (P)
►SHELL CHEM CO (P)
Thompson-Hayward Chem Co
►VICTOR CHEM WORKS (P)
Triangle Chem Co (P) Velsicol Chem Corp (P)

METHYL PENTACHLOROSTEARATE
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

METHYL PENTANES
Phillips Petroleum Co, Special Products Div (P)

4-METHYL-2-PENTANOL see Alcohol, Methyl Amyl

2-METHYL-1-PENTENE
Phillips Petroleum Co, Special Products Div (P)

METHYL PENTYNOL (Methyl Ethyl Ethynyl Carbinol, Methyl Parafynol)
►AIR REDUCTION CHEM & CARBIDE CO (P)
Farchan Research Labs (P)
Wallach-Gracer Export Corp

METHYL PHENOL see Cresol

METHYL PHENYL ACETATE
►BENZOL PRODUCTS CO (P)
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►TRUBEK LABS (P)
Felton Chem Co (P)

METHYL PHENYL CARBINOL see Alcohol, Styralyl

METHYL PHENYL CARBINOL ACETATE (Styralyl Acetate)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Felton Chem Co (P) Schimmel & Co (P)

6-METHYL-2-PHENYLQUINOLINE-4-CARBOXYLIC ACID, ETHYL ESTER see Neocinchophen

METHYL PHTHALATE see Dimethyl Phthalate

METHYL PHTHALYL ETHYL GLYCOLATE
►MONSANTO CHEM CO (P)

2-METHYL PIPERAZINE
RSA Corp (P)
►WYANDOTTE CHEMS CORP (P)

N-METHYL PIPERAZINE
RSA Corp (P)
Union Carbide Chems Co (P)
Polychemical Labs (P)

2-METHYL-PROPENE-1 see Isobutene

METHYLPROPYLBENZENE see Cymene

METHYLPROPYL CARBINOL see Alcohol, sec.-n-Amyl

METHYL-n-PROPYL KETONE
►ACETO CHEM CO
Union Carbide Chems Co (P)

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2-METHYL-2-PROPYL-1,3-PROPANEDIOL
Millmaster Chem Corp (P)

2-METHYLPYRAZINE
Aldrich Chem Co (P)

METHYL PYRIDYL KETONE see 3-Acetylpyridine

METHYL PYRROLE
Ansul Chem Co (P)

N-METHYL-2-PYRROLIDONE
Aldrich Chem Co (P)
Antara Chems Div (P)
Millmaster Chem Corp (P)

METHYL RED
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
LaMotte Chem Products Co (P)
Mallinckrodt Chem Works (P)
Matheson Coleman & Bell (P)
Andor Labs (P)

METHYL RICINOLEATE
Applied Science Labs (P)
Baker Castor Oil Co (P)
►NOPCO CHEM CO (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)
Reilly-Whiteman-Walton Co (P)

METHYL SALICYLATE (Synthetic Oil of Wintergreen, Synthetic Gaultheria Oil, Wintergreen, Oil of Wintergreen)
►J T BAKER CHEM CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dodge & Olcott
Dow Chem Co (P)
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
George Lueders & Co
Mallinckrodt Chem Works (P)
George Mann & Co (P)
►MONSANTO CHEM CO (P)
►S B PENICK & CO (P)
Thompson-Hayward Chem Co
Heyden Newport Chem Corp (P)
Carnegies Fine Chems (P)

METHYL STEARATE
Applied Science Labs (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Emery Industries (P)
Fine Organics (P)
►R W GREEFF & CO
►HUMKO PRODUCTS CHEM DIV (P)
Marcus Ruth Jerome Co (P)
Carlisle Chem Works (P)
Emkay Chem Co (P)
Foremost Food & Chem Co (P)
Fries Bros (P)
Reilly-Whiteman-Walton (P)

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Dow Chem Co (P)
Hercules Powder Co (P)

METHYL SULFIDE (Dimethyl Sulfide)
Fritzsche Bros (P)
Wallach-Gracer Export Corp
Crown Zellerbach Corp (P)

N-METHYLTAURINE
Antara Chems Div (P)
►COMMERCIAL SOLVENTS CORP (P)

METHYLTHIONINE CHLORIDE see Methylene Blue

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Verona-Pharma Chem Corp (P)
B L Lemke & Co (P)

METHYLTOLUIDINES see Xylidines, Mixed

METHYLTRICHLOROSILANE
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)

β-METHYL UMBELLIFERONE
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Verona-Pharma Chem Corp (P)
Carlisle Chem Works (P)

METHYL UREA
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METHYL VINYL KETONE
Chas Pfizer & Co (P)
Borden Chem Co (P)
Kaplop Labs (P)

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Pylam Products Co (P)
Sherwin-Williams Co (P)
American Cyanamid Co, Pigments Div (P)
Ciba Co (P)
Dye Specialties (P)
Fred'k H Levey Co (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)

MICA (Muscovite, Laminated Talc)
English Mica Co (P)
Harwick Standard Chem Co
►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
Kraft Chem Co
Smith Chem & Color Co
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
Acheson Colloids Co (P)
Asheville-Schoonmaker Mica Co (P)
Bram Metallurgical-Chem Co (P)
Foote Mineral Co (P)
Hayden Mica Co (P)
Mineralite Sales Corp (P)
Magnet Cove Barium Corp (P)
Richmond Mica Corp (P)
Thompson, Weinman & Co (P)
United Clay Mines (P)
United States Mica Co (P)

MICROCOSMIC SALT see Sodium-Ammonium Phosphate

MILK CHEMICALS
Alvares-Terner Corp
Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
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Tamms Industries (P)
C K Williams & Co (P)

Landers-Segal Color Co (P)

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MINERAL CARBON see Graphite

MINERAL FAT see Petrolatum

MINERAL GREEN see Copper Carbonate

MINERAL PITCH see Asphalt

MINERAL RUBBER (Elaterite)—see also Gilsonite

American Oil & Supply Co (P)
►WITCO CHEM CO (P)

MINIUM see Lead Oxide, Red

MIRBANE see Nitrobenzene

MOHR'S SALT see Iron-Ammonium Sulfate (ous)

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General Elec Co, Silicone Products (P)
Hercules Powder Co (P)
International Selling Corp
►MONSANTO CHEM CO (P)

J.T.Baker CHEMICAL

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Reagent Crystal
AMMONIUM MOLYBDATE
C.P. Crystal
MOLYBDIC ACID
Reagent Powder
MOLYBDIC ACID
Purified Powder
MOLYBDIC OXIDE
Purified Sublimed
MOLYBDENUM TRIOXIDE
Reagent Powder
SODIUM MOLYBDATE
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SODIUM MOLYBDATE
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Acme Resin Corp (P)
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American-Marietta Co (P)
Asbury Graphite Mills, Inc (P)
Catalin Corp of America (P)
Durez Plastics Div (P)
General Elec Co, Chem Materials Dept (P)
B F Goodrich Chem Co (P)
W R Grace & Co, Polymer Chems Div (P)
Heresite & Chem Co (P)
Naugatuck Chem Div (P)
Plastics Engrg Co (P)
Synvar Corp (P)

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Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
Hercules Powder Co (P)
International Selling Corp
►MONSANTO CHEM CO (P)
Rohm & Haas Co (P)
Sartomer Resins, Inc (P)

American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Durez Plastics Div (P)
Heresite & Chem Co (P)
General Elec Co, Chem Materials Dept (P)
Hysol Corp (P)
Naugatuck Chem Div (P)
Synvar Corp (P)

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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
Sherwin-Williams Co (P)
Var-Lac-Oid Chem Co (P)

American Cyanamid Co, Pigments Div (P)
California Ink Co (P)
Fred'k H Levey Co (P)
Imperial Color Chem & Paper Dept (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

MOLYBDENUM ANHYDRIDE see Molybdenum Trioxide

MOLYBDENUM CARBONYL

Climax Molybdenum Co (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)

MOLYBDENUM DISULFIDE

Climax Molybdenum Co (P)
Var-Lac-Oid Chem Co

Acheson Colloids Co (P)
Alpha-Molykote Corp (P)

MOLYBDENUM, METAL

Belmont Smelting & Refining Works (P)
Climax Molybdenum Co (P)
►STAUFFER CHEM CO (P)
Var-Lac-Oid Chem Co

Alloy Metal Products (P)
Bram Metallurgical-Chem Co (P)
Metals & Controls Inc (P)
Reading Chems (P)
Sylvania Elec Products (P)

MOLYBDENUM OXALATE

City Chem Corp (P)

MOLYBDENUM PENTACHLORIDE

Climax Molybdenum Co (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)

MOLYBDENUM SILICIDES

Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Sylvania Elec Products (P)
Union Carbide Metals Co (P)

MOLYBDENUM TRIOXIDE (Molybdenum Anhydride, Molybdic Oxide, Molybdic Acid Anhydride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Climax Molybdenum Co (P)
Fisher Scientific Co
Mallinckrodt Chem Works (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

Millmaster Chem Corp (P)
Prior Chem Corp
Var-Lac-Oid Chem Co (P)

Duval Sulphur & Potash Co (P)
North Metal & Chem Co (P)
S W Shattuck Chem Co (P)

MOLYBDIC ACID ANHYDRIDE see Molybdenum Trioxide

MOLYBDIC OXIDE see Molybdenum Trioxide

MONAZITE

►AMERICAN POTASH & CHEM CORP (P)
Var-Lac-Oid Chem Co
►VITRO CHEM CO (P)

MONO—see specific chemical without mono- prefix, e.g., Monoethanolamine see Ethanolamine

MONOMERS, CROSS-LINKING

Antara Chems Div (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Rohm & Haas Co (P)
Sartomer Resins, Inc (P)
►SHELL CHEM CO (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)

Borden Chem Co (P)
Xanthippe Chems (P)

MORDANT SALT see Aluminum Acetate, Basic

MORDANTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
Geigy Dyestuffs Div (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Union Carbide Chems Co (P)

Bryant Chem Corp (P)
Ciba Co (P)
Eastern Color & Chem Co (P)
Fiber Chem Corp (P)

MORPHINE

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

MORPHINE SALTS

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

MORPHOLINE (Tetrahydro-p-Oxazine)

American Mineral Spirits Co
►CHEMICAL SOLVENTS, INC
►JEFFERSON CHEM CO (P)
Kraft Chem Co
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

N-MORPHOLINE ETHANOL see N-Hydroxyethyl Morpholine

MORPHOLINE OLEATE

Dominion Products (P)
E F Drew & Co (P)
Hodag Chem Corp (P)
Pro-Chem, Inc (P)
Wica Chems (P)

MORTAR, ACID-RESISTING

Pennsalt Chems Corp (P)

Atlas Mineral Products Co (P)
Carboline Co (P)

MOSS GREEN see Copper Acetoarsenite

MOUNTAIN CORK see Asbestos

MOUNTAIN GREEN see Copper Carbonate

MOUNTAIN VERDITER see Azurite

MUREXIDE (Acid Ammonium Purpurate)

Distillation Products Industries (P)
Eastern Chem Corp (P)
Gane's Chem Works
Schuylkill Chem Co (P)

Andor Labs (P)
Borden Chem Co (P)
Edcan Labs (P)
Hagan Chems & Controls (P)

MURILLO BARK see Soap Bark

MUSCOVITE see Mica

MUSK KETONE (4-tert.-Butyl-2,6-Dimethyl-3,5-Dinitroacetophenone)

Florasynth Labs
Fritzsche Bros

(Continued)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

MILLMASTER

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Pure Metal Grade

AMMONIUM MOLYBDATE
Technical and A.C.S.

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Reagent, Anhydrous Technical and Crystalline Technical

SODIUM TUNGSTATE
Anhydrous Technical and Crystalline Technical

MOLYBDENUM TRIOXIDE A.C.S.

MOLYBDIC ACID 85% A.C.S.

Selling Agents for
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MILLMASTER
CHEMICAL CORPORATION
99 Park Ave., New York 16, N.Y.
MUrray Hill 7-2757

SR

• MONOMERS
• POLYMERS
• COPOLYMERS



MONOMERS . . .

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Triethylene Dimethacrylate
Tetraethylene Dimethacrylate
Polyethylene Dimethacrylate
Cyclohexyl Methacrylate
Allyl Methacrylate
Diallyl Fumarate

POLYMERS and COPOLYMERS . . .

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P. O. Box 56
Essington, Pennsylvania

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- Acrylic Acid and Esters
- Diethyl Maleate
- Higher Viny Esters
- Vinyl Ethers

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MUSK KETONE (continued)

Givaudan-Delawanna (P)
George Lueders & Co

Shulton, Inc (P)

MUSK, NATURAL

Florasynth Labs
Fritzsche Bros
George Lueders & Co

Shulton, Inc (P)

MUSK, SYNTHETIC

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
George Lueders & Co

Rhodia, Inc (P)
Schimmel & Co (P)
Shulton, Inc (P)

MUSK XYLOL

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
George Lueders & Co

Shulton, Inc (P)

MUTHMANN'S LIQUID see Acetylene Tetrabromide

MYRISTOYL CHLORIDE (Myristyl Chloride; Tetradecanoyl Chloride)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►TRUBEK LABS (P)

E F Drew & Co (P)

MYRISTOYL PEROXIDE

►BAIRD CHEM INDUSTRIES, INC
Lucidol Div, Wallace & Tiernan Inc

MYRISTYL CHLORIDE

►ACETO CHEM CO

N

NAPHTHA, BLENDING

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
►MONSANTO CHEM CO (P)

Atlantic Refining Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)

NAPHTHA, CLEANERS'

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Esso Standard Oil (P)
►JONES CHEMS, INC
Neville Chem Co (P)
►PEERLESS OIL & CHEM CORP
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
Thompson-Hayward Chem Co
Trio Chem Works (P)

Arkansas Louisiana Chem Corp (P)
Atlantic Refining Co (P)
Delhi-Taylor Oil Corp (P)
Shell Oil Co (P)
Pennsylvania Refining Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)

NAPHTHA, COAL TAR see Naphtha, Heavy and Naphtha, Solvent

NAPHTHA, DEODORIZED

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
R J Brown Co
►CHEMICAL SOLVENTS, INC
►JONES CHEMS, INC
►PEERLESS OIL & CHEM CORP
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
Trio Chem Works (P)

Atlantic Refining Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Texaco Inc (P)

NAPHTHA, HEAVY

►ALLIED CHEM CORP, PLASTICS DIV (P)
American Mineral Spirits Co (P)
American Oil & Supply Co (P)
Amoco Chems Corp (P)
Esso Standard Oil (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Neville Chem Co (P)
►PEERLESS OIL & CHEM CORP
Republic Chem Corp

Atlantic Refining Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
Donner-Hanna Coke Corp (P)
Delhi-Taylor Oil Corp (P)
Eastern States Petroleum & Chem Corp (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
U S Steel Corp (P)

NAPHTHA, HYDROGENATED

Signal Oil & Gas Co (P)

NAPHTHA, PAINTERS' see Naphtha, V. M. & P.

NAPHTHA, ROSIN

►CHEMICAL SOLVENTS, INC
Phillips Petroleum Co, Special Products Div (P)

Signal Oil & Gas Co (P)

NAPHTHA, SOLVENT

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Cosden Petroleum Corp (P)
Esso Standard Oil (P)
Fisher Scientific Co (P)
►JONES CHEMS, INC
►KOPPERS CO, TAR PRODUCTS DIV (P)
►MODERN SOLVENTS & CHEMS CORP
Neville Chem Co (P)
►PEERLESS OIL & CHEM CORP
Pennsylvania Industrial Chem Corp (P)
Phillips Petroleum Co, Special Products Div (P)
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
Tar Residuals
Trio Chem Works (P)

Atlantic Refining Co (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products (P)
Delhi-Taylor Oil Corp (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
United Fuel Gas Co (P)
U S Steel Corp (P)

NAPHTHA, STRAIGHT RUN

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
Esso Standard Oil (P)
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)

Atlantic Refining Co (P)
Delhi-Taylor Oil Corp (P)
Pennsylvania Refining Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
United Fuel Gas Co (P)

NAPHTHA, V. M. & P.

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
R J Brown Co
►CHEMICAL SOLVENTS, INC
Esso Standard Oil (P)
►JONES CHEMS, INC
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Pennsylvania Industrial Chem Corp (P)
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
Thompson-Hayward Chem Co

Atlantic Refining Co (P)
Delhi-Taylor Oil Corp (P)
Pennsylvania Refining Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)

NAPHTHALENE (Tar Camphor, White Tar, Naphthalin)

Browning Chem Corp
Fisher Scientific Co (P)
M W Hardy & Co
Howe & French
►JONES CHEMS, INC
Kolon Trading Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Pennsylvania Coke & Chem Corp (P)
Productol Co (P)
Reilly Tar & Chem Corp (P)
Republic Chem Corp
Robeco Chems

(P) Company classifies itself as producer
See company directory for addresses
►See catalog advertisement (Advertisers Index)

Samincorp
Tar Residuals
Thompson-Hayward Chem Co
Trio Chem Works (P)
George Uhe Co
United States Pipe & Foundry Co (P)

Bethlehem Steel Co (P)
Collier Carbon & Chem Corp (P)
Colorado Fuel & Iron Corp (P)
Coopers Creek Chem Corp (P)
U S Steel Corp (P)
Crowley Tar Products Co (P)
Donner-Hanna Coke Corp (P)
Naphthalene Products Co (P)
Signal Oil & Gas Co (P)

NAPHTHALENEDIOL see Dihydroxynaphthalene

NAPHTHALIDINE see α-Naphthylamine

NAPHTHALIN see Naphthalene

α-NAPHTHOL

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
American Mineral Spirits Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Fisher Scientific Co (P)
Edcan Labs (P)

β-NAPHTHOL (Naphthol, Isonaphthol, β-Monohydroxynaphthalene)

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Mineral Spirits Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fine Organics (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mallinckrodt Chem Works (P)
H P Rossiger & Co
Sherwin-Williams Co (P)
Ciba Corp (P)
Edcan Labs (P)

β-NAPHTHOL BENZOATE see Benzonaphthol

α-NAPHTHOL PHTHALEIN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Andor Labs (P)
Hartman-Leddon Co (P)

β-NAPHTHOQUINOLINE see Benzoquinoline

1-4 NAPHTHOQUINONE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
M W Hardy & Co (P)
Ciba Co (P)

NAPHTHORESORCINOL see 1,3-Dihydroxynaphthalene

α-NAPHTHYLAMINE (1-Aminonaphthalene, Naphthalidine)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

β-NAPHTHYLAMINE (2-Aminonaphthalene)

Aldrich Chem Co (P)
Pfister Chem Works (P)

β-NAPHTHYLAMINE HYDROCHLORIDE

Fine Organics (P)

1,2-NAPHTHYLENEDIAMINE

Aldrich Chem Co (P)

α-NAPHTHYLPHENYLOXAZOLE

Arapahoe Chems (P)
Fine Organics (P)
K & K Labs (P)
Pilot Chems, Inc (P)

β-NAPHTHYL SALICYLATE

RSA Corp (P)

α-NAPHTHYL THIOUREA

Eastern Chem Corp (P)

β-NAPHTHYL THIOUREA

K & K Labs (P)

NARCOTICS

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

NATURAL GAS BLACK see Carbon Black

NAVAL STORES

S L Abbot Co
Cabot Corp (P)
Harwick Standard Chem Co
Tar Residuals
Thompson-Hayward Chem Co

NEOCINCHOPHEN (6-Methyl-2-Phenyl-Quinoline-4-Carboxylic Acid, Ethyl Ester)

►S B PENICK & CO, NYQ CHEM DIV (P)

NEODYMIUM CARBONATE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

NEODYMIUM CHLORIDE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

NEODYMIUM FLUORIDE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

NEODYMIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Bram Metallurgical-Chem Co (P)
Research Chems (P)

NEODYMIUM NITRATE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

NEODYMIUM OXALATE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►HARSHAW CHEM CO
►LINDSAY CHEM DIV (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Résearch Chems (P)

NEODYMIUM OXIDE

Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►HARSHAW CHEM CO
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Research Chems (P)

NEOHEXANE

Phillips Petroleum Co, Special Products Div (P)

NEOMYCIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Upjohn Co (P)
American Cyanamid Co, Fine Chems Dept (P)
Glogau & Co (P)
Roselle Labs (P)

NEON

Air Reduction Sales Co (P)
Linde Co (P)

NEOPENTANE (2,2-Dimethylpropane)

Phillips Petroleum Co, Special Products Div (P)

NEOPENTYL GLYCOL

Aldrich Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)

NEOSTIGMINE SALTS

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
RSA Corp (P)
Cohelfred Labs (P)
Hexagon Labs (P)

NEPHELINE SYENITE

►INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV (P)
Kraft Chem Co

NEROLIN (NEW) see Ether, β-Naphthyl Ethyl

NEUTRALIZERS, CREAM

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Bonewitz Chems
Diamond Alkali Co (P)

NEW GREEN see Copper Acetoarsenite

NIACIN see Acid, Nicotinic

NIACINAMIDE see Nicotinamide

NICKEL ACETATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Globe Chem Co
►HARSHAW CHEM CO (P)
►JONES CHEMS, INC
Lotte Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
McGean Chem Co (P)
Shepherd Chem Co (P)

NICKEL ALLOYS—see also Nickel Titanium

Belmont Smelting & Refining Works (P)
International Selling Corp

Bram Metallurgical-Chem Co (P)
Alloy Metal Products (P)
McGean Chem Co (P)

NICKEL AMMONIUM SULFATE (Nickel Salts, Double; Ammonium, Nickel Sulfate)

Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)

McGean Chem Co (P)
Shepherd Chem Co (P)

NICKEL BLACK see Nickel Oxide (ic)

NICKEL BROMIDE

City Chem Corp (P)

NICKEL CARBONATE, BASIC

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HARSHAW CHEM CO (P)
►JONES CHEMS, INC
Lotte Chem Corp
►METAL & THERMIT CORP
►PEERLESS OIL & CHEM CORP
Var-Lac-Old Chem Co (P)

Hall Chem Co (P)
Shepherd Chem Co (P)
McGean Chem Co (P)

NICKEL CHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO (P)
Kolon Trading Co
Lotte Chem Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP
Nuodex Products Co (P)
►PEERLESS OIL & CHEM CORP
Republic Chem Corp
Tar Residuals
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)

American Smelting & Refining Co (P)
McGean Chem Co (P)

NICKEL CHROMATE

City Chem Corp (P)

NICKEL CYANIDE

►ACETO CHEM CO (P)
City Chem Corp (P)

Shepherd Chem Co (P)

NICKEL FLUOBORATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)

Shepherd Chem Co (P)

NICKEL FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Var-Lac-Old Chem Co (P)

NICKEL FORMATE

►ACETO CHEM CO
City Chem Corp (P)
►JONES CHEMS, INC
Lotte Chem Corp
Nuodex Products Co (P)

E F Drew & Co (P)
Shepherd Chem Co (P)
McGean Chem Co (P)
Triangle Chem Co (P)

NICKEL HYDRATE see Nickel Hydroxide (ous)

NICKEL HYDROXIDE (ic)

Var-Lac-Old Chem Co (P)

McGean Chem Co (P)

NICKEL HYDROXIDE (ous)

►ACETO CHEM CO (P)
Var-Lac-Old Chem Co (P)

McGean Chem Co (P)
Shepherd Chem Co (P)

NICKEL IODIDE

City Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)

NICKEL, METAL

Belmont Smelting & Refining Works (P)
►HARSHAW CHEM CO (P)
International Selling Corp

Alloy Metal Products (P)
International Nickel (P)
Bram Metallurgical-Chem Co (P)
McGean Chem Co (P)
Reading Chems (P)

NICKEL NAPHTHENATE

►HARSHAW CHEM CO (P)

Advance Solvents & Chem Div (P)
McGean Chem Co (P)
Premium Chems (P)
Carlisle Chem Works (P)
Shepherd Chem Co (P)
Troy Chem Co (P)

NICKEL NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Millmaster Chem Corp

McGean Chem Co (P)
Shepherd Chem Co (P)

NICKEL OXALATE

Premium Chems (P)
Shepherd Chem Co (P)

NICKEL OXIDE (ic)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Kolon Trading Co
Republic Chem Corp
Tar Residuals
Var-Lac-Old Chem Co (P)

McGean Chem Co (P)

NICKEL OXIDE (ous) (Nickel Black, Nickel Peroxide, Green Nickel Oxide, Nickel Protoxide)

American Firstoline Corp
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Republic Chem Corp
Tar Residuals
Var-Lac-Old Chem Co (P)

General Metallic Oxides Co (P)

NICKEL PEROXIDE see Nickel Oxide (ic)

NICKEL POWDER

Belmont Smelting & Refining Works (P)
►HARSHAW CHEM CO (P)
Var-Lac-Old Chem Co (P)

Alloy Metal Products (P)
Bram Metallurgical-Chem Co (P)
International Nickel (P)

NICKEL PROTOXIDE see Nickel Oxide (ous)

NICKEL SALTS, DOUBLE see Nickel Ammonium Sulfate

NICKEL SALTS, SINGLE see Nickel Sulfate

NICKEL STEARATE

►HARSHAW CHEM CO (P)
Millmaster Chem Corp
►WITCO CHEM CO (P)

Mathe Chem Co (P)
Shepherd Chem Co (P)
Premium Chems (P)

NICKEL SULFAMATE

City Chem Corp (P)
Var-Lac-Old Chem Co (P)

NICKEL SULFATE (Nickel Salts, Single)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Browning Chem Corp
Chemical Affiliates (P)
Faesy & Besthoff
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO (P)
J F Henry Chem Co
Howe & French
Indussa Corp
►JONES CHEMS, INC
Kolon Trading Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)
Millmaster Chem Corp
Nuodex Products Co (P)
►PEERLESS OIL & CHEM CORP
Republic Chem Corp (P)
Revelli Chems, Inc
Robeco Chems
Samincorp
Tar Residuals
►VITRO CHEM CO (P)

American Smelting Refining Co (P)
McGean Chem Co (P)
Shepherd Chem Co (P)
E F Drew & Co (P)

NICKEL TITANATE

►TITANIUM ALLOY MFG DIV (P)

NICKEL TITANIUM

Belmont Smelting & Refining Works (P)
►METAL & THERMIT CORP (P)

Alloy Metal Products (P)
Bram Metallurgical-Chem Co (P)
Metals & Controls Inc (P)

NICOTINAMIDE (Nicotinic Acid Amide)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
Millmaster Chem Corp
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Prentiss Drug & Chem Co (P)
Biorganic Labs (P)
Roselle Labs (P)
Nepera Chem Co (P)
R P Scherer Corp (P)

NICOTINAMIDE HYDROCHLORIDE

American Cyanamid Co, Fine Chems Dept (P)
Nepera Chem Co (P)
Roselle Labs (P)

NICOTINE (β-Pyridyl-α-N-Methyl-Pyrrolidine)

American Firstoline Corp
Conray Products Co
European Chem Co
Filo Color & Chem Corp

Prentiss Drug & Chem Co (P)
Ortho Div (P)

NICOTINE DUST

Ortho Div (P)

NICOTINE SULFATE

►AMERICAN CYANAMID CO, FINE CHEMS DEPT (P)
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
Conray Products
European Chem Co
Filo Color & Chem Corp
Republic Chem Corp

Prentiss Drug & Chem Co (P)
Ortho Div (P)

NICOTINIC ACID AMIDE see Nicotinamide

NIKETHAMIDE (N,N-Diethyl Nicotinamide, Nicotinic Diethylamide Acid)

Arenol Chem Corp (P)
Biorganic Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

NIL ALBA see Zinc Oxide

NINHYDRIN (Reagent for Amino Acids)

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
►DU PONT, PIGMENTS DEPT (P)
Eastern Chem Corp (P)
Clinical Chems Corp (P)
Pierce Chem Co (P)

NIOBIUM see Columbium

NITER see Potassium Nitrate

NITRATINE see Sodium Nitrate

NITRAZOL see p-Nitroaniline, Red

NITRE see Potassium Nitrate

NITRE CAKE see Sodium Bisulfate

NITRIC OXIDE

Matheson Co (P)
Xanthippe Chems (P)

NITRIDING COMPOUNDS

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
E F Houghton & Co (P)

NITRILES

Armour Industrial Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Faesy & Besthoff
►MONSANTO CHEM CO (P)
Foremost Food & Chem Co (P)
B F Goodrich Chem Co (P)
Kaplop Labs (P)

NITRILOMALONAMIDE see Cyanoacetamide

m-NITROACETOPHENONE

Aldrich Chem Co (P)
Eastern Chem Corp (P)
Maumee Chem Co (P)
Riches-Nelson, Inc

p-NITROACETOPHENONE

Eastern Chem Corp (P)
Nease Chem Co (P)

o-NITROAMINOBENZENE see o-Nitroaniline

p-NITRO-o-AMINOPHENOL

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)

m-NITROANILINE

►ACETO CHEM CO
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Hostachem Corp
George Uhe Co
Clinical Chems Corp (P)

o-NITROANILINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)

p-NITROANILINE

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)
Sherwin-Williams Co (P)
Clinical Chems Corp (P)

p-NITROANILINE, RED (Azophor Red, Para Red, Nitrazol, Discharge Lake R, p-Nitrobenzene-Azo-β-Naphthol)

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Sherwin-Williams Co (P)
American Cyanamid Co, Pigments Div (P)
Imperial Color Chem & Paper Dept (P)
Holland Color & Chem Co (P)
Standard Ultramarine & Color Co (P)

o-NITROANISOLE

►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

p-NITROANISOLE

►DU PONT, DYES & CHEMS DIV (P)
Fine Organics (P)
►KOPPERS CO, CHEMS & DYESTUFFS Div (P)

NITROBARITE see Barium Nitrate

m-NITROBENZALDEHYDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)
Clinical Chems Corp (P)

o-NITROBENZALDEHYDE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
K & K Labs (P)
Andor Labs (P)

p-NITROBENZALDEHYDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)
Andor Labs (P)

NITROBENZENE (Nitrobenzol, Mirbane Oil, Essence of Mirbane, Nitrobenzide)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, EXPLOSIVES DEPT (P)
Fritzsche Bros
►McKESSON & ROBBINS, CHEM DEPT
Clinical Chems Corp (P)

p-NITROBENZENE AZO-β-NAPHTHOL see p-Nitroaniline, Red

p-NITROBENZENEAZORESORCINOL

Eastern Chem Corp (P)

m-NITROBENZENE SODIUM SULFONATE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►MONSANTO CHEM CO (P)

p-NITROBENZENE SULFONYL CHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

NITROBENZIDE see Nitrobenzene

m-NITROBENZONITRILE

K & K Labs (P)
Kaplop Labs (P)

m-NITROBENZOTRIFLUORIDE

Maumee Chem Co (P)
Nease Chem Co (P)
Riches-Nelson, Inc
Peninsular ChemResearch
Caribou Chem Co (P)
(P)

m-NITROBENZOYL CHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

p-NITROBENZOYL CHLORIDE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

2-NITRO-1-BUTANOL

►COMMERCIAL SOLVENTS CORP (P)

NITROCALCITE see Calcium Nitrate

NITROCELLULOSE (Pyroxylin, Gun Cotton, Cellulose Nitrate)

►DU PONT, EXPLOSIVES DEPT (P)
Hercules Powder Co (P)

NITROCELLULOSE SOLUTIONS

Hercules Powder Co (P)
Scholle Chem Corp

(Continued)

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(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

NITROCELLULOSE SOLUTIONS (continued)

Stoney-Mueller, Inc

Lacquer Specialties (P)
National Chem & Plastics Co (P)
Pyroxylin Products (P)

m-NITROCHLOROBENZENE

Antara Chems Div (P)

o-NITROCHLOROBENZENE (o-Nitrochlorobenzol)

►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)

p-NITROCHLOROBENZENE

►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)

Clinical Chems Corp (P)

3-NITRO-4-CHLOROBENZOTRIFLUORIDE

Antara Chems (P)
Maumee Chem Co (P)

NITROCHLOROFORM see Chloropicrin

o-NITRO-p-CHLOROPHENOL

►DU PONT, DYES & CHEMS DIV (P)
Maumee Chem Co (P)
Riches-Nelsen, Inc
Verona-Pharma Chem Corp (P)

1-NITRO-2,5-DICHLOROBENZENE see 2,5-Dichloronitrobenzene

NITROETHANE

►COMMERCIAL SOLVENTS CORP (P)

2-NITRO-2-ETHYL-1,3-PROPANEDIOL

►COMMERCIAL SOLVENTS CORP (P)

NITROGEN COMPOUNDS

►ALLIED CHEM CORP, NITROGEN DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
H J Baker & Bro
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
General Mills, Chem Div (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
►SINCLAIR PETROCHEMS (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

American Oil Co (P)
Borden Chem Co (P)
Archer-Daniels-Midland Co (P)
Foremost Food & Chem Co (P)
Barlow Chem Corp (P)
Spencer Chem Co (P)
Collier Carbon & Chem Corp (P)
Texaco Inc (P)

NITROGEN FERTILIZERS see Fertilizers, Nitrogen

NITROGEN GAS

W R Grace & Co, Nitrogen Products Div (P)

Air Products, Inc (P)
Linde Co (P)
Air Reduction Sales Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)
Thomas A Edison Industries, Medical Gas Div (P)
Southern Oxygen Co (P)
Spencer Chem Co (P)

NITROGEN, LIQUID

Air Products, Inc (P)
Southern Oxygen Co (P)
Air Reduction Sales Co (P)
Thomas A Edison Industries, Medical Gas Div (P)
Linde Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)

NITROGEN TETROXIDE

►ALLIED CHEM CORP, NITROGEN DIV (P)
Hercules Powder Co (P)

NITROGEN TRIFLUORIDE

Peninsular Chem-Research (P)
Xanthippe Chems (P)

NITROMETHANE

►COMMERCIAL SOLVENTS CORP (P)
Fisher Scientific Co

2-NITRO-2-METHYL-1,3-PROPANEDIOL

►COMMERCIAL SOLVENTS CORP (P)

2-NITRO-2-METHYL-1-PROPANOL

►COMMERCIAL SOLVENTS CORP (P)

NITROPARAFFINS

►COMMERCIAL SOLVENTS CORP (P)

m-NITROPHENOL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
K & K Labs (P)

Clinical Chems Corp (P)

o-NITROPHENOL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp (P)
►DU PONT, DYES & CHEMS DIV (P)

p-NITROPHENOL

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Fisher Scientific Co (P)
Hostachem Corp
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)

p-NITROPHENYLHYDRAZINE HYDROCHLORIDE

Aldrich Chem Co (P)
Eastern Chem Corp (P)

Andor Labs (P)

1-NITROPROPANE

American Mineral Spirits Co
►COMMERCIAL SOLVENTS CORP (P)

2-NITROPROPANE

American Mineral Spirits Co
►COMMERCIAL SOLVENTS CORP (P)
DeMort & Dougherty, Inc

4-NITROPYRIDINE-N-OXIDE

Beacon Chem Industries (P)

5-NITROQUINOLINE

K & K Labs (P)

8-NITROQUINOLINE

K & K Labs (P)

4-NITROQUINOLINE-N-OXIDE

K & K Labs (P)

Beacon Chem Industries (P)

p-NITROSODIMETHYLANILINE

Fairmount Chem Co (P)

Beacon Chem Industries (P)
Brothers Chem Co (P)

N-NITROSODIPHENYLAMINE

B F Goodrich Chem Co (P)
Naugatuck Chem Div (P)

α-NITROSO-β-NAPHTHOL

Eastern Chem Corp (P)
Eastman Organic Chems (P)
Fine Organics (P)

Andor Labs (P)

NITROSOPHENYL HYDROXYLAMINE see Cupferron

NITROSYL CHLORIDE

Henry Bower Chem Mfg Co

o-NITROTOLUENE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

p-NITROTOLUENE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

NITROTOLUENES, MIXED

►DU PONT, DYES & CHEMS DIV (P)

m-NITRO-p-TOLUIDINE

►ACETO CHEM CO
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Sherwin-Williams Co (P)

Wilson Organic Chems (P)

p-NITRO-o-TOLUIDINE

►ACETO CHEM CO
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Hilton-Davis Chem Co Div (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

NITROTRICHLOROMETHANE see Chloropicrin

4-NITRO-3-TRIFLUOROMETHYL-PHENOL

Maumee Chem Co (P)
Riches-Nelsen, Inc

NITROUS OXIDE

Air Products, Inc (P)
Thomas A Edison Industries, Medical Gas Div (P)
Liquid Carbonic Div, General Dynamics Corp (P)

NONALDEHYDE see n-Nonyl Aldehyde

NONANE

Phillips Petroleum Co, Special Products Div (P)

Eastern States Petroleum & Chem Corp (P)
Signal Oil & Gas Co (P)

NONENES

Aldrich Chem Co (P)
Amoco Chems Corp (P)
►ENJAY CHEM CO (P)
Faliek Chem Corp
Farchan Research Labs (P)
►GULF OIL CORP (P)

Eastern States Petroleum & Chem Corp (P)
Signal Oil & Gas Co (P)
Texaco Inc (P)

n-NONYL ACETATE

►ACETO CHEM CO (P)
Givaudan-Delawanna (P)

n-NONYL ALDEHYDE

Fritzsche Bros
Givaudan-Delawanna (P)

tert.-NONYL MERCAPTAN
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)

NONYL PHENOL
Antara Chems Div (P)
►JEFFERSON CHEM CO (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Universal Oil Products Co (P)
Swift & Co, General Soap Dept (P)

NONYL SUCCINIC ACID ANHYDRIDE
►HUMPHREY-WILKINSON (P)

NORGE NITER see Calcium Nitrate

dl-NORLEUCINE see Acid, α-Aminocaproic

dl-NORVALINE see Acid, α-Amino-n-Valeric

NORWEGIAN SALTPETER see Calcium Nitrate

NOVOCAINE see Procaine Hydrochloride

NUTGALLS
►BERKSHIRE CHEMS INC
Meer Corp (P)

O

OCHERS
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Charles B Chrystal Co
►HARSHAW CHEM CO (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)

OCTACHLORO-4,7-METHANE-TETRA-HYDROINDANE see Chlordane

n-OCTADECANE
Aldrich Chem Co (P)
►HUMPHREY-WILKINSON (P)
Archer-Daniels-Midland Co (P)

n-OCTADECANOL see Alcohol, Stearyl

OCTADECENE-1
Aldrich Chem Co (P)
►HUMPHREY-WILKINSON (P)
Archer-Daniels-Midland Co (P)

OCTADECENYL SUCCINIC ACID ANHYDRIDE
►HUMPHREY-WILKINSON (P)

OCTADECYL BROMIDE
►ACETO CHEM CO (P)
Eastern Chem Corp (P)
►HUMPHREY-WILKINSON (P)

OCTADECYL CHLORIDE
►ACETO CHEM CO (P)
►HUMPHREY-WILKINSON (P)

OCTAMETHYL PYROPHOSPHORAMIDE
European Chem Co (P)

n-OCTANE
►CHEMICAL SOLVENTS, INC
►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)
Signal Oil & Gas Co (P)

OCTANES, MIXED
Esso Standard Oil (P)
Eastern States Petroleum & Chem Corp (P)

1-OCTANOL see Alcohol, pri.-n-Octyl

2-OCTANOL see Alcohol, sec.-n-Octyl

OCTANOYL CHLORIDE see Caprylyl Chloride

OCTENE-1
Aldrich Chem Co (P)
Farchan Research Labs (P)
►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)
Eastern States Petroleum & Chem Corp (P)

OCTENE-2
Aldrich Chem Co (P)
Farchan Research Labs (P)
►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)

n-OCTYL ACETATE
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
►R W GREEFF & CO
Givaudan-Delawanna (P)
Maywood Chem Works, Div Stepan Chem Co (P)
Fries Bros (P)

OCTYL ACRYLATE
Borden Chem Co (P)

n-OCTYL ALDEHYDE
Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)

tert.-OCTYL AMINE
Rohm & Haas Co (P)

OCTYL BROMIDE
►ACETO CHEM CO
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►HUMPHREY-WILKINSON (P)
RSA Corp (P)

OCTYL BUTYRATE
Fritzsche Bros (P)
►R W GREEFF & CO
Maywood Chem Works, Div Stepan Chem Co (P)

OCTYL CHLORIDE
►ACETO CHEM CO
►HUMPHREY-WILKINSON (P)

n-OCTYL DECYL ADIPATE
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Hercules Powder Co (P)
Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc
Deecy Products Co (P)
FMC Corp, Chems & Plastics Div (P)
B F Goodrich Chem Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

n-OCTYL DECYL PHTHALATE
Harchem Div, Wallace & Tiernan Inc (P)
Hatco Chem Div (P)
Hercules Powder Co (P)
Kessler Chem Co (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc
Deecy Products Co (P)
B F Goodrich Chem Co (P)
Thompson Chem Co (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)

OCTYL DECYL PHTHALATES, MIXED
►ALLIED CHEM CORP, PLASTICS DIV (P)
Hatco Chem Div (P)
►MONSANTO CHEM CO (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
FMC Corp, Chems & Plastics Div (P)
B F Goodrich Chem Co (P)
Rubber Corp of America (P)

tert.-OCTYL DISULFIDE
Phillips Petroleum Co, Special Products Div (P)

n-OCTYL FORMATE
Fritzsche Bros (P)
►R W GREEFF & CO
Maywood Chem Works, Div Stepan Chem Co (P)
Fries Bros (P)

n-OCTYL ISOBUTYRATE
Dodge & Olcott (P)
Fritzsche Bros (P)
Givaudan-Delawanna (P)
Maywood Chem Works, Div Stepan Chem Co (P)
Fries Bros (P)

OCTYL LAURATE
Kessler Chem Co (P)
Beacon Chem Industries (P)
Emkay Chem Co
Hodag Chem Corp (P)

n-OCTYL MERCAPTAN
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

tert.-OCTYL MERCAPTAN
Phillips Petroleum Co, Special Products Div (P)

OCTYL PHENOL
Rohm & Haas Co (P)

OCTYL PHENOXYETHANOL
►NOPCO CHEM CO (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)

OCTYL PHENYL ACID PHOSPHATE
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

OCTYL PROPIONATE
Dodge & Olcott (P)
►R W GREEFF & CO
Maywood Chem Works, Div Stepan Chem Co (P)
Fries Bros (P)

OCTYL RESORCINOL
Fine Organics (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

OCTYL STEARATE
Kessler Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Beacon Chem Industries (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)

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Oronite Div (P)
►S B PENICK & CO (P)
Sindar Corp

Heyden Newport Chem Corp (P)
Natural Gas Odorizing (P)
Polak & Schwarz (P)
Rhodia, Inc (P)
Schimmel & Co (P)
Uncle Sam Chem Co (P)
R T Vanderbilt Co (P)

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Hercules Powder Co (P)
►HUMPHREY-WILKINSON (P)
Mallinckrodt Chem Works (P)
Oronite Div (P)
Pennsalt Chems Corp (P)
Sindar Corp (P)

Crown Zellerbach Corp (P)
Natural Gas Odorizing (P)

OIL, ALMOND, BITTER

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
R D Webb & Co (P)

OIL, ALMOND, SWEET

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Pacific Vegetable Oil Corp (P)

OIL OF ALMONDS, SYNTHETIC see Benzaldehyde

OIL, ANILINE see Aniline

OIL, ANISE

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Wm J Stange Co (P)
R D Webb & Co (P)

OIL, ANTHRACENE see Anthracene

OIL OF ANTS, SYNTHETIC see Furfural

OIL, APRICOT KERNEL (Oil of Persic)

Dodge & Olcott
Fritzsche Bros
►S B PENICK & CO
Welch, Holme & Clark Co

Magnus, Mabee & Reynard (P)
Pacific Vegetable Oil Corp (P)

OIL, ARACHIS see Oil, Peanut

OIL, BABASSU

►PACIFIC VEGETABLE OIL CORP (P)

OIL, BEAN see Oil, Soya Bean

OIL, BENI see Oil, Sesame

OIL, BENNE see Oil, Sesame

OIL, BERGAMOT

Biddle Sawyer Corp
Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Cargill, Inc (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OILS, BLOWN

Degen Oil & Chem Co (P)
►NOPCO CHEM CO (P)
►PACIFIC VEGETABLE OIL CORP (P)

Archer-Daniels-Midland (P)
Crownoil Chem Co (P)
Spencer Kellogg & Sons (P)
Neatsfoot Oil Refineries (P)
Marden-Wild Corp (P)
Reilly-Whiteman-Walton Co (P)
Werner G Smith, Inc (P)
Arthur C Trask Co (P)

OIL, BLUBBER see Oil, Whale

OIL, BODY see Oil, Whale

OIL, BOILED see Oil, Linseed

OIL BONE (Dippel, Hartshorn Oil)

►STAUFFER CHEM CO (P)

OILS, BROMINATED

►ABBOTT LABS (P)
►ACETO CHEM CO
►S B PENICK & CO (P)

Dominion Products (P)
Freeman Industries (P)
Halocarbon Products Corp (P)
Peninsular Chem-Research (P)
Sterol Derivatives, Inc (P)

OIL, CAMPHOR (Liquid Camphor)

Biddle Sawyer Corp
Dodge & Olcott
Fritzsche Bros
George Lueders & Co

Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard (P)
Prentiss Drug & Chem Co (P)
Wm J Stange Co (P)

OIL, CARYOPHYLLUS see Oil, Clove

OIL, CASSIA (Chinese Oil of Cinnamon)

Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard Co (P)
Schimmel & Co (P)
Wm J Stange Co (P)
R D Webb & Co (P)

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See company directory for addresses

OIL, CASTOR (Ricinus Oil)

H J Baker & Bro
Baker Castor Oil Co (P)
Degen Oil & Chem Co
E & F King & Co
National Lead Co (P)
►PACIFIC VEGETABLE OIL CORP (P)
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

Spencer Kellogg & Sons (P)
Neatsfoot Oil Refineries Corp (P)

OIL, CASTOR, ACETYLATED

Baker Castor Oil Co (P)

E F Drew & Co (P)

OIL, CASTOR, AMMONIATED

Seabord Chems (P)

OIL, CASTOR, BLOWN (Oxidized Castor Oil)

Baker Castor Oil Co (P)
Degen Oil & Chem Co (P)
►NOPCO CHEM CO (P)
►PACIFIC VEGETABLE OIL CORP (P)

Spencer Kellogg & Sons (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)

OIL, CASTOR, DEHYDRATED

Baker Castor Oil Co (P)
Industrial Raw Materials Corp
►PACIFIC VEGETABLE OIL CORP (P)
Sherwin-Williams Co (P)

Golwynne Chem Corp (P)
Woburn Chem Corp (P)
Spencer Kellogg & Sons (P)

OIL, CASTOR, HYDROGENATED (Glyceryl Tri-[12-Hydroxystearate])

Baker Castor Oil Co (P)
Darling & Co (P)
Emery Industries (P)
►HUMKO PRODUCTS CHEM DIV (P)
William E Phillips Inc

Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
Werner G Smith, Inc (P)
Woburn Chem Corp (P)

OIL, CASTOR, OXIDIZED see Oil, Castor, Blown

OIL, CASTOR, PHOSPHATED

►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

OIL, CASTOR, PROCESSED

Baker Castor Oil Co (P)
Degen Oil & Chem Co (P)
►PACIFIC VEGETABLE OIL CORP (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Bryant Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Spencer Kellogg & Sons (P)
Marden-Wild Corp (P)
Marlowe-Van Loan Corp (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)
Standard Chem Products (P)
Titan Chem Products (P)

OIL, CASTOR, SULFONATED see Oil, Turkey Red

OIL, CEDAR WOOD

Dodge & Olcott
Fritzsche Bros
International Flavors & Fragrances (P)
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)

OIL, CHINA see also Balsam, Peruvian

Degen Oil & Chem Co

OIL, CHINA WOOD (Tung Oil, Chinese-Wood Oil, Nut Oil)

H J Baker & Bro
Kraft Chem Co
►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

Reilly-Whiteman-Walton Co (P)

OIL, CHINESE BEAN see Oil, Soya Bean

OIL, CHINESE WOOD see Oil, China Wood

OIL, CITRONELLA

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO
Stein Hall & Co

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OILS, CITRUS SEED

►S B PENICK & CO

OIL, CLOVE (Amboyna, Caryophil Oil)

Dodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
George Leuders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
Wm J Stange Co (P)
R D Webb & Co (P)

OILS, COAL NEUTRAL

►ALLIED CHEM CORP, PLASTICS DIV (P)

Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)

OIL, COCONUT (Coconut Butter, Coconut Palm Oil, Cocos Oil)

Bristol Labs (P)
►PACIFIC VEGETABLE OIL CORP (P)
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

Magnus, Mabee & Reynard (P)
E F Drew & Co (P)
Reilly-Whiteman-Walton (P)

OIL, COCONUT, SULFONATED

M Michel & Co (P)
►NOPCO CHEM CO (P)
Welch, Holme & Clark Co

E F Drew & Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Marden-Wild Corp (P)
Reilly-Whiteman-Walton (P)
Seaboard Chems (P)

OIL, COD

H J Baker & Bro
►NOPCO CHEM CO (P)

Marden-Wild Corp (P)
Reilly-Whiteman-Walton (P)
Seaboard Chems (P)
Whitmoyer Labs (P)

OIL, COD, SULFONATED

►NOPCO CHEM CO (P)

E F Drew & Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Kehew-Bradley Co (P)
Marden-Wild Corp (P)
Reilly-Whiteman-Walton (P)
Seaboard Chems (P)
Arthur C Trask Co (P)
W A Wood Co (P)

OIL, COD LIVER (Banks Oil, Morrhua Oil, Oleum Morrhuae)

Chas L Huisking & Co (P)
Vitamins, Inc (P)

Marine Products Co (P)
Whitmoyer Labs (P)

OIL, COLZA see Oil, Rapeseed

OIL, CORN (Maize Oil)

Welch, Holme & Clark Co

Capital City Products Co (P)
Clinton Corn Processing Co (P)
Grain Processing Corp (P)
Reilly-Whiteman-Walton Co (P)
A E Staley Mfg Co (P)

OIL, COTTONSEED (Seed Oil, Cottonseed, Oleum Gossypil Seminis)

►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

Capital City Products Co (P)
E F Drew & Co (P)
Magnus, Mabee & Reynard (P)

OIL, CREOSOTE see Creosote, Coal-Tar

OILS, CUTTING

American Oil & Supply Co (P)
Armour Industrial Chem Co (P)
Emery Industries (P)
Esso Standard Oil (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)

Atlantic Refining Co (P)
James V Bibbo Co (P)
Crescent Oil Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
E F Houghton & Co (P)
Neatsfoot Oil Refineries Corp (P)
Oakite Products (P)
Oil-Kraft, Inc (P)
Pennsylvania Refining Co (P)
Geo Pfau's Sons Co (P)
Pro-Chem, Inc (P)
Reilly-Whiteman-Walton Co (P)

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OILS, CUTTING (continued)

Rex Oil & Chem Co (P)
G Whitfield Richards (P)
Riverside Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
W A Wood Co (P)

OILS, DRYING SYNTHETIC

Baker Castor Oil Co (P)
Degen Oil & Chem Co (P)
Phillips Petroleum Co, Special Products Div (P)
►SUN OIL CO (P)

Archer-Daniels-Midland Co (P)
Velsicol Chem Corp (P)
Woburn Chem Corp (P)
G S Ziegler & Co (P)

OIL, EARTHNUT see Oil, Peanut

OILS, EMULSIFYING

Chempar Chem Co (P)
Emery Industries (P)
Esso Standard Oil (P)
Kessler Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)

Amalgamated Chem Corp (P)
Archer-Daniels-Midland Co (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Bryant Chem Corp (P)
Colgate-Palmolive Co (P)
Crescent Oil Co (P)
Dominion Products (P)
E F Drew & Co (P)
Du Bois Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Franklin Oil Corp (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
Spencer Kellogg & Sons (P)
Marden-Wild Corp (P)
Marlowe-Van Loan Corp (P)
Oil-Kraft, Inc (P)
Ortho Div (P)
Pennsylvania Refining Co (P)
Pro-Chem, Inc (P)
Reilly-Whiteman-Walton Co (P)
Rex Oil & Chem Co (P)
G Whitfield Richards (P)
Seaboard Chems (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Titan Chem Products (P)
Warwick Chem Div (P)
White & Bagley Co (P)
Wica Chems (P)
Wye Industries (P)

OILS, ESSENTIAL

Bidole Sawyer Corp
Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna, Inc (P)
Hercules Powder Co (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)
►S B PENICK & CO
Stein Hall & Co
George Uhe Co

Alpine Aromatics (P)
Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard (P)
Noville Essential Oil Co (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, EUCALYPTUS

►ACETO CHEM CO
Dodge & Olcott
Fritzsche Bros
George Lueders & Co (P)
►S B PENICK & CO

Kalamazoo Spice Extraction Co (P)
Schimmel & Co (P)
Magnus, Mabee & Reynard (P)
R D Webb & Co (P)

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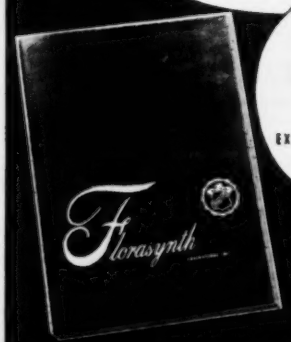


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OILS, FISH

H J Baker & Bro
Degen Oil & Chem Co
Emery Industries (P)
►PACIFIC VEGETABLE OIL CORP (P)
Vitamins, Inc
Welch, Holme & Clarke Co

Archer-Daniels-Midland Co (P)
Capital City Products Co (P)
Crownoil Chem Co (P)
Marden-Wild Corp (P)
Marine Products Co (P)
Reilly-Whiteman-Walton (P)
Seaboard Chems (P)
Werner G Smith, Inc (P)
Whitmoyer Labs (P)

OILS, FISH, BLOWN

►NOPCO CHEM CO (P)
►PACIFIC VEGETABLE OIL CORP (P)

Archer-Daniels-Midland Co (P)
Crownoil Chem Co (P)
Neatsfoot Oil Refineries (P)
Marden-Wild Corp (P)
Reilly-Whiteman-Walton Co (P)
Werner G Smith, Inc (P)
Arthur C Trask Co (P)

OILS, FISH, HYDROGENATED

Chempar Chem Co
Darling & Co (P)
Emery Industries (P)
►HUMKO PRODUCTS CHEM DIV (P)
M Michel & Co (P)

Archer-Daniels-Midland Co (P)
Werner G Smith, Inc (P)
Woburn Chem Co (P)

OILS, FISH, KETTLE-BODIED

Degen Oil & Chem Co (P)
►PACIFIC VEGETABLE OIL CORP (P)

Archer-Daniels-Midland Co (P)
Crownoil Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Werner G Smith, Inc (P)

OILS, FISH LIVER

Chempar Chem Co
Chas L Huisking & Co
Vitamins, Inc (P)

Collet-Week Corp (P)
Marine Products Co (P)
Whitmoyer Labs (P)

OIL, FLAXSEED see Oil, Linseed

OIL, FLORENCE see Oil, Olive

OILS, FLUOROCARBON

►DU PONT, "FREON" PRODUCTS DIV (P)

Halocarbon Products Corp (P)
Peninsular ChemResearch (P)

OILS, FROTHING

M Michel & Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

OIL, FUSEL (Amyl Alcohol, Grain Oil, Potato Oil, Potato Spirit)

►ACETO CHEM CO
Howe & French
George Lueders & Co
Tar Residuals
►US INDUSTRIAL CHEMS CO (P)

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)

OIL, GAULTHERIA

Fritzsche Bros
►S B PENICK & CO

Magnus, Mabee & Reynard (P)

OIL, GERANIUM

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, GIGILY see Oil, Sesame

OIL, GRAIN see Oil, Fusel

OIL, HARTSHORN see Oil, Bone

OIL, HERRING

H J Baker & Bro
Emery Industries (P)
Vitamins, Inc (P)

Archer-Daniels-Midland Co (P)
Werner G Smith, Inc (P)
Whitmoyer Labs (P)

OIL, HOOF see Oil, Neatsfoot

OILS, HYDROGENATED

Emery Industries (P)
M Michel & Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
Woburn Chem Corp (P)

OIL, JAPAN FISH see Oil, Sardine

OIL, KATCHUNG see Oil, Peanut

OIL, LANOLIN

Croda, Inc (P)

Lanaetex Products (P)
Malmstrom Chem Corp (P)
Robinson Wagner Co (P)

OIL, LARD

American Oil & Supply Co (P)
Armour Industrial Chem Co (P)
Marcus Ruth Jerome Co (P)
Welch, Holme & Clark Co

Hodag Chem Corp (P)
Neatsfoot Oil Refineries Corp (P)
Geo Pfau's Sons Co (P)
Reilly-Whiteman-Walton Co (P)

OIL, LAVENDER

Alvares-Terner Corp
Dodge & Olcott
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, LEMON

Biddle Sawyer Corp
Dodge & Olcott
Florasynth Labs
Fritzsche Bros
International Flavors & Fragrances (P)
Kelon Trading Co
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
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San Francisco, Geneva, Panama, Sao Paulo, Tokyo

OIL, LINSEED (Boiled Oil, Flaxseed Oil, Linnen Seed, Oleum Lini)

Degen Oil & Chem Co (P)
E & F King & Co
Kraft Chem Co
National Lead Co (P)
►PACIFIC VEGETABLE OIL CORP (P)
Sherwin-Williams Co (P)
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

Archer-Daniels-Midland (P)
Capital City Products (P)
Carroll Ltd (P)
Crownoil Chem Co (P)
E F Drew & Co (P)
Spencer Kellogg & Sons (P)

OIL, LIQUID PATCH see Creosote, Coal-Tar

OILS, LUBRICATING

American Oil & Supply Co (P)
Armour Industrial Chem Co (P)
Dow Corning Corp (P)
Emery Industries (P)
Esso Standard Oil (P)
General Elec Co, Silicone Products (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Corp, Silicones Div (P)

Almasol Corp (P)
Alpha-Molykote Corp (P)
American Grease Stick Co (P)
Atlantic Refining Co (P)
Crescent Oil Co (P)
W F Fancourt Co (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Kaysing Corp (P)
Lehigh Chem Co (P)
Lubrication Engrs (P)
New York & New Jersey Lubricant Co (P)
Oil-Kraft, Inc (P)
Pennsylvania Refining Co (P)
Pro-Chem, Inc (P)
Reilly-Whiteman-Walton Co (P)
Riverside Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
White & Bagley Co (P)

OIL, MACE

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
George Lueders & Co (P)

Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
Wm J Stange Co (P)
R D Webb & Co (P)

OIL, MAIZE see Oil, Corn

OIL, MANDARIN

Biddle Sawyer Corp
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Crownoil Chem Co (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, MENHADEN (Oil Mossbunker, Oil Pogy, Oil Brenroot)

H J Baker & Bro
Degen Oil & Chem Co
Vitamins, Inc
Welch, Holme & Clark Co

Archer-Daniels-Midland Co (P)
Gray Chem (P)
Werner G Smith, Inc (P)
Wallace Fisheries Co (P)
Whitmoyer Labs (P)

OIL, MINERAL (Liquid Paraffin, White Mineral Oil, White Oil, Paraffin Oil)

American Oil & Supply Co (P)
Fisher Scientific Co
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

Atlantic Refining Co (P)
Crescent Oil Co (P)
Franklin Oil Corp (P)
Mineral Oil Refining Co (P)
Shell Oil Co (P)
Pennsylvania Refining Co (P)
Socony Mobil Oil Co (P)
Wallace Fisheries Co (P)
White & Bagley Co (P)

OIL, MIRBANE see Nitrobenzene

OIL, MORRHUA see Oil, Cod Liver

OIL, MOSSBUNKER see Oil, Menhaden

OIL, MUSTARD SEED

Degen Oil & Chem Co
Florasynth Labs
Fritzsche Bros
Morton Chem Co (P)
Welch, Holme & Clark Co

Magnus, Mabee & Reynard (P)
Neatsfoot Oil Refineries Corp (P)
Old Dutch Mustard Co (P)
Schimmel & Co (P)

OIL, NEATSFOOT (Hoof Oil, Oleum Bubulum)

Armour Industrial Chem Co (P)
Welch, Holme & Clark Co

Magnus, Mabee & Reynard (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)
Geo Pfau's Sons Co (P)
Seaboard Chems (P)

OIL, NEATSFOOT, SULFONATED

Diamond Alkali Co (P)
►NOPCO CHEM CO (P)
Welch, Holme & Clark Co

E F Drew & Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Kehew-Bradley Co (P)
Neatsfoot Oil Refineries Corp (P)
Marden-Wild Corp (P)
Reilly-Whiteman-Walton Co (P)
Seaboard Chems (P)
Arthur C Trask Co (P)
W A Wood Co (P)

OIL OF NIOBE see Methyl Benzoate

OIL, NUTMEG

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
George Lueders & Co (P)
►S B PENICK & CO

Kalamazoo Spice Extraction Co (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
Wm J Stange Co (P)
R D Webb & Co (P)

OIL, OITICICA

Degen Oil & Chem Co
►S B PENICK & CO

OIL, OLIVE (Florence Oil, Luccu Oil, Oleum Olivae)

Welch, Holme & Clark Co

E F Drew & Co (P)
Magnus, Mabee & Reynard (P)
Reilly-Whiteman-Walton Co (P)

OIL, OLIVE, BROMINATED

►ABBOTT LABS (P)
►ACETO CHEM CO

V & E Kohnstamm Inc (P)

OIL, OLIVE, FOOTS

Welch, Holme & Clark Co

OIL, OLIVE, SULFONATED

E F Drew & Co (P)
Emkay Chem Co (P)
Reilly-Whiteman-Walton Co (P)

OIL, ORANGE

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
International Flavors & Fragrances (P)
Kolon Trading Co
George Lueders & Co
►S B PENICK & CO

V & E Kohnstamm Inc (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

OIL, PALM (Palm Butter, Palm Grease, Oleum Palmal)

Stein Hall & Co
Welch, Holme & Clark Co

E F Drew & Co (P)
Pro-Chem, Inc (P)
Magnus, Mabee & Reynard (P)

OIL, PALM KERNEL (Palm Nut Oil)

Alvares-Terner Corp
Dura Commodities Corp
►PACIFIC VEGETABLE OIL CORP (P)
►SONNEBORN CHEM & REFINING CORP (P)

Capital City Products Co (P)
E F Drew & Co (P)

OIL, PALM NUT see Oil, Palm Kernel

OIL, PARAFFIN see Oil, Mineral

OIL, PATCHOULI

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co (P)
►S B PENICK & CO

Descollonges, Inc (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, PEANUT (Arachis Oil, Earthnut Oil, Groundnut Oil, Katchung Oil)

Darling & Co (P)
Welch, Holme & Clark Co

Capital City Products Co (P)
E F Drew & Co (P)
Magnus, Mabee & Reynard (P)

OIL, PEAR see Amyl Acetate

OILS, PENETRATING

American Oil & Supply Co (P)
M Michel & Co
►SUN OIL CO (P)
Union Carbide Chems Co (P)

American Grease Stick Co (P)
Crescent Oil Co (P)
Franklin Oil Corp (P)
Kano Labs (P)
Kaysing Corp (P)
Lehigh Chem Co (P)
Oil-Kraft, Inc (P)
Pro-Chem, Inc (P)
Pennsylvania Refining Co (P)
Shamrock Specialties Co (P)
Standard Chem Products (P)
White & Bagley Co (P)
Wye Industries (P)

OIL, PEPPERMINT

Alvares-Terner Corp
Dodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
George Lueders & Co
►S B PENICK & CO
A M Todd Co (P)

Kalamazoo Spice Extraction Co (P)
Schimmel & Co (P)
Magnus, Mabee & Reynard (P)
R D Webb & Co (P)

OILS, PERFUME

Dodge & Olcott
Florasynth Labs (P)
Fritzsche Bros
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)
►S B PENICK & CO (P)

Alpine Aromatics (P)
Descollonges, Inc (P)
Felton Chem Co (P)
Noville Essential Oil Co (P)
Magnus, Mabee & Reynard (P)
Polarome Mfg Co (P)
Schimmel & Co (P)

OIL OF PERSIC see Oil, Apricot Kernel

OIL, PETITGRAIN

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO (P)

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, PINE

S L Abbott Co
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Firstoline Corp
Arizona Chem Co (P)
Dodge & Olcott
Florasynth Labs
Fritzsche Bros
Harwick Standard Chem Co
Hercules Powder Co (P)
E & F King & Co
George Lueders & Co
►McKESSON & ROBBINS, CHEM DEPT
Republic Chem Corp
J U Starkweather Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

Dixie Pine Products Co (P)
Louisiana Pine Products Co (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, PINE-TAR see Oil, Tar, Wood

OILS, PLASTICIZING

American Oil & Supply Co (P)
Baker Castor Oil Co (P)
Degen Oil & Chem Co (P)
Esso Standard Oil (P)
Harwick Standard Chem Co

(Continued)

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OILS, PLASTICIZING (continued)

Kessler Chem Co (P)
M Michel & Co (P)
Neville Chem Co (P)
►NOPCO CHEM CO (P)
Pennotex Oil Corp (P)
Pennsylvania Industrial Chem Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Gray Co (P)
C P Hall Co (P)
Reichhold Chems, Inc (P)
Pennsylvania Refining Co (P)
Reilly-Whiteman-Walton Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)

OIL, POGY see Oil, Menhaden

OIL, POTATO see Oil, Fusel

OIL, RAPE See Rapeseed

OIL, RAPESEED (Colza Oil, Rape Oil)

Degen Oil & Chem Co
Dodge & Olcott
►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

Capital City Products Co (P)
Magnus, Mabee & Reynard (P)
E F Drew & Co (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton(P)

OIL, RED see Acid, Oleic

OIL, RICINUS see Oil, Castor

OIL, ROSEWOOD

Dodge & Olcott
Fritzsche Bros
Kolon Trading Co
George Lueders & Co

Magnus, Mabee & Reynard (P)
Schimmel & Co (P)

OIL, ROSIN (Codoil, Retinol, Rosinol)

American Oil & Supply Co (P)
National Rosin Oil Products (P)
Thompson-Hayward Chem Co

Pro-Chem, Inc (P)

OILS, RUBBER RECLAIMING

►ALLIED CHEM CORP, PLASTICS DIV (P)
American Oil & Supply Co (P)
Harwick Standard Chem Co
National Rosin Oil Products (P)
Neville Chem Co (P)
Pennotex Oil Corp (P)
Pennsylvania Industrial Chem Corp (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Franklin Oil Corp (P)
C P Hall Co (P)
Pro-Chem, Inc (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Velsicol Chem Corp (P)

OIL, RUE

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
►S B PENICK & CO

Magnus, Mabee & Reynard (P)

OIL, SAFFLOWER

Dodge & Olcott
General Mills, Specialty Products Div (P)
Chas L Huisking & Co
►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

OIL, SANDALWOOD

Dodge & Olcott
Florasynth Labs
Fritzsche Bros
Kolon Trading Co
George Lueders & Co (P)
►S B PENICK & CO

Descollonges, Inc (P)
Magnus, Mabee & Reynard (P)
Schimmel & Co (P)
R D Webb & Co (P)

OIL, SARDINE (Oil, Japan Fish)

H J Baker & Bro
►PACIFIC VEGETABLE OIL CORP (P)

OIL, SEAL

Marden-Wild Corp (P)

OIL, SEED see Oil, Cottonseed

OIL, SESAME (Beni Oil, Benne Oil, Gigily Oil, Gingili Oil, Teal Oil, Teel Oil)

►PACIFIC VEGETABLE OIL CORP (P)
Sole Chem Corp (P)
Vitamins, Inc (P)
Welch, Holme & Clark Co

Magnus, Mabee & Reynard (P)

OIL, SHARK see Oil, Shark Liver

OIL, SHARK LIVER (Shark Oil)

Vitamins, Inc (P)

Collett-Week Corp (P)

OILS, SILICONE

American Oil & Supply Co (P)
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Harwick Standard Chem Co
Kolon Trading Co
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Corp, Silicones Div (P)

Emkay Chem Co (P)
Hodag Chem Corp (P)
Lehigh Chem Co (P)

OIL, SOD see Degras

OIL, SOJA BEAN see Oil, Soya Bean

OIL, SOLUBLE see Oils, Emulsifying

OILS, SOLVENT

►ALLIED CHEM CORP, PLASTICS DIV (P)
American Oil & Supply Co (P)
Esso Standard Oil (P)
Kessler Chem Co (P)
M Michel & Co (P)
Pennsylvania Industrial Chem Corp (P)
Phillips Petroleum Co, Special Products Div (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)

Arol Chem Products (P)
Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Eastern States Petroleum & Chem Corp (P)
Emkay Chem Co (P)
Kano Labs (P)
Oakite Products (P)
Pennsylvania Refining Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)

OIL, SOY see Oil, Soya Bean

OIL, SOYA BEAN (Chinese Bean Oil, Bean Oil, Soja Bean Oil, Soy Oil)

General Mills, Specialty Products Div (P)
►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

Archer-Daniels-Midland Co (P)
Capital City Products Co (P)
Central Soya Co (P)
E F Drew & Co (P)
Grain Processing Corp (P)
Spencer Kellogg & Sons (P)
Magnus, Mabee & Reynard (P)
A E Staley Mfg Co (P)

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See company directory for addresses
(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

OIL, SPEARMINT

Alvarez-Turner Corp
Dodge & Olcott
Florasynth Labs
Fritzsche Bros (P)
George Lueders & Co
►S B PENICK & CO
A M Todd Co (P)

Kalamazoo Spice Extraction Co (P)
Schimmel & Co (P)
Magnus, Mabee & Reynard (P)
R D Webb & Co (P)

OIL, SPERM

H J Baker & Bro
E & F King & Co
Welch, Holme & Clark Co

Archer-Daniels-Midland Co (P)
Magnus, Mabee & Reynard (P)
Werner G Smith, Inc (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)

OIL, SPERM, SULFONATED

►NOPCO CHEM CO (P)

E F Drew & Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Hart Products Corp (P)
Neatsfoot Oil Refineries Corp (P)
Kehew-Bradley Co (P)
Reilly-Whiteman-Walton Co (P)
Seaboard Chems (P)
Arthur C Trask Co (P)
White & Bagley Co (P)
W A Wood Co (P)

OIL, STILLINGIA see Oil, Tallow

OILS, STYRENATED

Degen Oil & Chem Co (P)

Gray Chem (P)
Woburn Chem Corp (P)

OIL SUBSTITUTES, SULFONATED

►BARCLAY CHEM CO
M Michel & Co (P)

Emkay Chem Co (P)
Hart Products Corp (P)
Scholler Bros (P)
Reilly-Whiteman-Walton (P)
Seaboard Chems (P)

OIL, SULFONATED

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Oil & Supply Co (P)
Diamond Alkali Co (P)
Esso Standard Oil (P)
Hercules Powder Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Welch, Holme & Clark Co

Amalgamated Chem Corp (P)
Arol Chem Products (P)
Bryant Chem Corp (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Kehew-Bradley Co (P)
Marden-Wild Corp (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)
Royce Chem Co (P)
Scher Bros (P)
Scholler Bros (P)
Seaboard Chems (P)
Shell Oil Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Arthur C Trask Co (P)
Warwick Chem Div (P)
White & Bagley Co (P)
Wica Chems (P)
W A Wood Co (P)

OILS, SULFURIZED

Americas Oil & Supply Co (P)
M Michel & Co

Carlisle Chem Works (P)
Crescent Oil Co (P)
Neatsfoot Oil Refineries Corp (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Reilly-Whiteman-Walton Co (P)
G Whitfield Richards (P)
Shell Oil Co (P)
White & Bagley Co (P)

OIL, SUNFLOWER

►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

OIL, TALL

S L Abbot Co
►AMERICAN-BRITISH CHEM SUPPLIES
Arizona Chem Co (P)
Emery Industries (P)
E & F King & Co
Kraft Chem Co
Smith Chem & Color Co
Union Bag-Camp Paper Corp (P)
Welch, Holme & Clark Co

Buckeye Cellulose Corp (P)
Calcasieu Paper Co (P)
Crossett Chem Co (P)
Glidden Co (P)
Rayonier, Inc (P)
Magnus, Mabee & Reynard (P)
K A Steel Chems (P)
W Va Pulp & Paper Co, Industrial Chem Sales Div (P)

OIL, TALLOW (Tallow Seed Oil, Stillingia Oil)

Armour Industrial Chem Co (P)
Darling & Co (P)
Marcus Ruth Jerome Co (P)
►PACIFIC VEGETABLE OIL CORP (P)

Milbrew Co (P)
Neatsfoot Oil Refineries Corp (P)
Geo Pfau's Sons Co (P)
Reilly-Whiteman-Walton (P)

OIL, TALLOW, ACIDLESS

Armour Industrial Chem Co (P)
Chempar Chem Co
Darling & Co (P)
►HUMKO PRODUCTS CHEM DIV (P)
Marcus Ruth Jerome Co (P)
►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

Neatsfoot Oil Refineries Corp (P)
Geo Pfau's Sons Co (P)
Reilly-Whiteman-Walton (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

PRICE, QUALITY, SERVICE
Technical and Edible
OILS

- Castor
- Coconut
- Corn
- Cottonseed
- Lard
- Linseed
- Mineral
- Neatsfoot
- Olive
- Poppyseed
- Palm
- Rapeseed
- Peanut U.S.P.
- Petrolatums
- Rice Bran
- Safflower
- Sesame U.S.P.
- Soybean
- Sunflower
- Apricot Kernel
- Walnut

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ARIZONA CHEMICAL COMPANY
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OIL, TALLOW SEED see Oil, Tallow

OIL, TAR-ACID see Acids, Tar

OIL, TAR, COAL see Creosote, Coal-Tar

OIL, TAR, RECTIFIED

Fritzsche Bros (P)
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Crossett Chem Co (P)

OIL, TAR, WOOD

Cabot Corp (P)

Crowley Tar Products Co (P)

OIL, TEAL see Oil, Sesame

OIL, TEASEED

Reilly-Whiteman-Walton Co (P)

OIL, TEASEED, SULFONATED

Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Reilly-Whiteman-Walton Co (P)

OIL, TEEL see Oil, Sesame

OILS, TERPENELESS

Dodge & Olcott (P)
Florasynth Labs
Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)
►S B PENICK & CO (P)

Felton Chem Co (P)
V & E Kohnstamm Inc (P)
Magnus, Mabee & Reynard (P)
Noville Essential Oil Co (P)
Schimmel & Co (P)
R D Webb & Co (P)

OILS, TEXTILE

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Atlas Chem Industries, Chems Div (P)
Concord Chems Co (P)
Emery Industries (P)
Esso Standard Oil (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
New York & New Jersey Lubricant Co (P)
Pennsylvania Refining Co (P)
Procter & Gamble Co (P)
Reilly-Whiteman-Walton Co (P)
Royce Chem Co (P)
Scher Bros (P)
Scholler Bros (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Titan Chem Products (P)
Wica Chems (P)
W A Wood Co (P)

OIL, TIL see Oil, Sesame

OIL, TRAIN see Oil, Whale

OIL, TUNG see Oil, China Wood

OIL, TURKEY RED (Alizarine Assistant; Castor Oil, Soluble; Castor Oil, Sulfonated)

Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
Welch, Holme & Clark Co

Amalgamated Chem Corp (P)
Bryant Chem Corp (P)
Carlstadt Chem Co (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Marlowe-Van Loan Corp (P)
Metro-Atlantic, Inc (P)
Reilly-Whiteman-Walton Co (P)
Scholler Bros (P)
Seaboard Chems (P)
Standard Chem Products (P)
Arthur C Trask Co (P)
Wica Chems (P)
Jacques Wolf & Co (P)

OIL, TURPENTINE

Fritzsche Bros
►S B PENICK & CO

Archer-Daniels-Midland Co (P)
Carroll Ltd (P)
Crossett Chem Co (P)
Magnus, Mabee & Reynard (P)

OILS, VEGETABLE

City Chem Corp
Degen Oil & Chem Co
►PACIFIC VEGETABLE OIL CORP (P)
Sherwin-Williams Co (P)
Welch, Holme & Clark Co

Archer-Daniels-Midland Co (P)
Capital City Products Co (P)
A E Staley Mfg Co (P)
Spencer Kellogg & Sons (P)

OIL OF VITRIOL see Acid, Sulfuric

OIL, WALNUT

►PACIFIC VEGETABLE OIL CORP (P)
Welch, Holme & Clark Co

OIL, WHALE

Magnus, Mabee & Reynard (P)
Reilly-Whiteman-Walton Co (P)

OIL, WHEAT GERM

General Mills, Specialty Products Div (P)
Chas L Huisking & Co
►SONNEBORN CHEM & REFINING CORP (P)
Welch, Holme & Clark Co
Vitamins, Inc (P)

Freeman Industries (P)

OIL, WHITE MINERAL see Oil, Mineral

OIL, WINTERGREEN, NATURAL see Oil, Gaultheria

OIL, WINTERGREEN, SYNTHETIC see Methyl Salicylate

OILS, WOOL SCOURING

Atlas Chem Industries, Chems Div (P)
Esso Standard Oil (P)
►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
E F Houghton & Co (P)
Marlowe-Van Loan Corp (P)
Mona Industries (P)
Procter & Gamble Co (P)
Reilly-Whiteman-Walton Co (P)
Scher Bros (P)
Scholler Bros (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Titan Chem Products (P)
Wica Chems (P)

OIL, YLANG YLANG

Florasynth Labs
Fritzsche Bros
George Lueders & Co
►S B PENICK & CO

Magnus, Mabee & Reynard (P)
Descollonges, Inc (P)

OLEFINS

Aldrich Chem Co (P)
Amoco Chems Corp (P)
►ENJAY CHEM CO
►HUMPHREY-WILKINSON (P)

(Continued)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

HUMPHREY-WILKINSON, Inc.

Devine St., North Haven, Conn., U. S. A.
Telephone: CHestnut 8-2181

THE H-W FAMILY OF HIGHER ALIPHATIC DERIVATIVES

Tabulated here are the unique straight-chain aliphatic compounds in the C_6 to C_{22} range produced by Humphrey-Wilkinson, Inc. These exceptionally pure chemicals are derived from alcohols of non-petroleum sources. They are therefore remarkably free of interfering isomers or the usual contaminating sulfur- and nitrogen-containing compounds. The availability of these basic classes of higher molecular weight aliphatic chemicals fills a longtime need for pure compounds at reasonable cost which can be employed as starting materials for further syntheses. Write for our catalog presenting detailed technical information on these products.

H-W SATURATED HYDROCARBONS
(Alkanes of 98% Minimum Purity)

R—H ALKANE	Boiling Point °C.	
	Pure*	Spec. Range
n - Hexane	68.7	68—69
n - Heptane	98.4	97—99
n - Octane	125.7	125—26
3 - Methyl Heptane	118.9	118—20
n - Decane	174.1	173—75
n - Dodecane	216.3	215—17
n - Tetradecane	253.5	252—54
n - Hexadecane	286.5	285—87
n - Octadecane	317.9	316—19
n - Eicosane	205/15	203-06/15
n - Docosane	230/15	227-31/15

*Best literature value for pure compound.

H-W OLEFINS
(Ethylenic Hydrocarbons of 98% Minimum Purity)

HC=CHR ALKENE	Boiling Point °C.	
	Pure	Spec. Range
1 - Hexene	63.5	62-64
2 - Methyl-1-Pentene	62.2	61-63
4 - Methyl-2-Pentene	55.0	54-56
2 - Ethyl-1-Butene	65.0	64-66
1 - Heptene	93.6	92-94
1 - Octene	121.3	120-22
2 - Octene	——	122-26
2 - Ethyl-1-Hexene	121	120-22
1 - Decene	170.6	169-71
1 - Dodecene	213.4	212-14
1 - Tetradecene	127/15	126-28/15
1 - Hexadecene	284.9	284-86
1 - Octadecene	180/15	179-81/15

H-W ALKYL HALIDES
(Higher Aliphatic Halides of 97% Minimum Purity)

R—X	CHLORIDES		BROMIDES	
ALKYL GROUP	F.P. °C.	B.P. °C.	F.P. °C.	B.P. °C.
n - Hexyl	—94	134.5	—85	155.5
n - Heptyl	—69.5	159.5	—58.1	180.0
n - Octyl	—61	183	—55.0	201.5
n - Decyl	—34	223	—29.6	117.5/15
n - Dodecyl	—14.5	243.5	— 9.6	130/6
n - Tetradecyl	— 0.2	154-5/15	5.7	175-8/20
n - Hexadecyl	13	176-80/6	17.8	188/10
n - Octadecyl	21	215/15	27.4	214-16/12

H-W SATURATED HIGHER ALCOHOLS*
(Primary Alkanols of 90% Minimum Purity)

R—OH Saturated Alcohol	Freezing Point, °C.		Boiling Point, °C.	
	Pure	Spec. Range	Pure	Spec. Range
1 - Hexanol	—51.6	—53 to —51	157.2	156-158
1 - Heptanol	—34.6	—36 to —34	176.3	175-177
1 - Octanol	—16.0	—18 to —16	194.5	193-195
1 - Decanol	6.9	5-7	231.0	230-232
1 - Dodecanol	24.0	22-24	259.0	258-260
1 - Tetradecanol	38.5	36-38	167-70/15	166-71/15
1 - Hexadecanol	49.6	47-49	190/15	189-91/15
1 - Octadecanol	58.0	56-58	210/15	209-11/15

*All products specially refined.

H-W ALKYL MERCAPTANS
(Higher Aliphatic Mercaptans of 95% Minimum Purity)

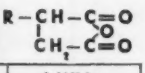
R—SH ALKANE THIOL	Boiling Point, °C.	
	Pure*	Spec. Range
n - Hexyl Mercaptan	152-53	151-54
n - Heptyl Mercaptan	174-75/765	173-76/765
n - Octyl Mercaptan	199.1	197-200
n - Decyl Mercaptan	114/13	113-15/13
n - Dodecyl Mercaptan	153-55/24	152-56/24
n - Tetradecyl Mercaptan	176-80/22	175-81/22
n - Hexadecyl Mercaptan	185-90/7	184-91/7
n - Octadecyl Mercaptan	204-10/11	204-10/11

*Best literature value for pure compound.

H-W ALKYL ETHERS
(Higher Aliphatic Ethers of 97% Minimum Purity)

R—O—R n - DIALKYL ETHER	Freezing Point, °C.		Boiling Point, °C.	
	Pure	Spec. Range	Pure	Spec. Range
Dihexyl Ether	—43	—45 to —43	225.7	223-26
Diheptyl Ether	——	——	261.9	260-63
Dioctyl Ether	— 7.0	—9 to —7	291.7	290-93
Didecyl Ether	16.0	14-16	170-80/6	168-82/6
Didodecyl Ether	33.0	31-33	190-95/1	188-97/1
Ditetradecyl Ether	40.0	37-39	238-48/4	235-50/4
Dihexadecyl Ether	54	52-54	Decomp. 300 °C.	——
Dioctadecyl Ether	59	57-59	Decomp. 300 °C.	——

H-W ALKENYL SUCCINIC ANHYDRIDES
(Branched and Normal Substituent Types)



TYPE	Substituent	Boiling Range °C/mm.Hg	Acid Value	
			Theor.	Specification Range
Branched Octenyl	Caprylene	184-196/19	534	485-530
Branched Octenyl	Di-isobutylene	——	534	485-530
n - Octenyl	1 - Octene	172-182/7	534	515-535
Branched Nonenyl	Tripropylene	190-206/16	500	470-495
n - Decenyl	1 - Decene	190-200/5	470	450-470
Branched Dodecenyl	Butylene Trimer	180-190/5	422	390-420
Branched Dodecenyl	Propylene Tetramer	180-192/6	422	390-420
n - Dodecenyl	1 - Dodecene	170-180/1	422	405-425
n - Tetradecenyl	1 - Tetradecene	190-200/1	382	365-385
n - Hexadecenyl	1 - Hexadecene	230-240/5	348	330-350
n - Octadecenyl	1 - Octadecene	245-255/5	320	305-325

In addition to the alkenyl succinic anhydrides listed here the alkyl-substituted derivatives and the corresponding dicarboxylic acids in both categories are offered. H-W service includes custom syntheses employing the most advanced organic unit process techniques and separation methods. Humphrey-Wilkinson, Inc. also produces completely fabricated heat warning and signal devices, based on smoke and odor generation, and does contract formulating and packaging of chemical specialties.

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Tetrabutyltin
Tetraphenyltin
Tributyltin Oxide (TBTO®)

. . . and other organometallics based on TIN, ANTIMONY, PHOSPHORUS, SILICON and BISMUTH

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Metal & Thermit Corporation
Rahway, New Jersey

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►SINCLAIR PETROCHEMS (P)
►SUN OIL CO (P)

Archer-Daniels-Midland Co (P)
Atlantic Refining Co (P)
Union Carbide Olefins Co (P)

OLEUM (Fuming Sulfuric Acid)

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Dixon Chem & Research (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Lotte Chem Corp
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Pittsburgh Chem Co (P)
►STAUFFER CHEM CO (P)
Tennessee Corp (P)

Apache Powder Co (P)
Central Chem Div (P)

OLIBANUM

Meer Corp (P)
►S B PENICK & CO

Felton Chem Co (P)

OPACIFIERS, COSMETIC

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Mallinckrodt Chem Works (P)
►METAL & THERMIT CORP (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Sole Chem Corp (P)
►TITANIUM ALLOY MFG DIV (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

E F Drew & Co (P)
Geigy Industrial Chems (P)
C P Hall Co (P)
Hodag Chem Corp (P)
New Jersey Zinc Co (P)

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►TITANIUM ALLOY MFG DIV (P)
►VITRO CHEM CO (P)

McGean Chem Co (P)

OPACIFIERS, GLASS

►METAL & THERMIT CORP (P)
►TITANIUM ALLOY MFG DIV (P)
►VICTOR CHEM WORKS (P)

McGean Chem Co (P)

OPIUM

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

OPTICAL BLEACHES

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Fallek Chem Corp
Geigy Dyestuffs Div (P)
General Dyestuff Co (P)
M W Hardy & Co
Hilton-Davis Chem Co Div (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
Pylam Products Co (P)
Verona-Pharma Chem Corp (P)

Advance Solvents & Chem Div (P)
Arnold, Hoffman & Co (P)
Carlisle Chem Works (P)
Ciba Co (P)
Hagan Chems & Controls (P)
McGean Chem Co (P)
Sandoz, Inc (P)
Scher Bros (P)

ORCINOL

Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
City Chem Corp
Distillation Products Industries (P)
Eastern Chem Corp (P)
►HARSHAW CHEM CO (P)

ORGANIC CHEMICALS see Fine Chemicals, Research Chemicals, Organo-Metallic Chemicals and/or specific chemical

ORGANO-METALLIC COMPOUNDS

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Argus Chem Corp (P)
Better Finishes & Coatings (P)
Cardinal Stabilizers (P)
City Chem Corp
Dow Chem Co (P)
Eastern Chem Corp (P)
►ETHYL CORP (P)
Hercules Powder Co (P)
K & K Labs (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
►NOPCO CHEM CO (P)
Nuodex Products Co
Pfanstiehl Labs (P)
►STAUFFER CHEM CO (P)
Union Carbide Chems Co (P)
Var-Lac-Oid Chem Co (P)

Advance Solvents & Chem Div (P)
Axel Plastics Research Labs (P)
Bram Metallurgical-Chem Co (P)
Chase Chem Corp (P)
DeSoto Chem Coatings (P)
Geigy Industrial Chems (P)
Hexagon Labs (P)
Kaplop Labs (P)
Norton Chem Works (P)
Peninsular Chem-Research (P)

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Midland Adhesive & Chem Corp (P)
Morningstar-Paisley, Inc (P)
Pierce & Stevens Chem (P)
Reynolds Chem Products Co (P)
Rubber Corp of America (P)

OSMIUM, METAL

Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp
Var-Lac-Oid Chem Co (P)

J Bishop & Co Platinum Works (P)
Bram Metallurgical-Chem Co (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)

OSMIUM TETROXIDE

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Fisher Scientific Co
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
Mallinckrodt Chem Works (P)
Var-Lac-Oid Chem Co (P)

J Bishop & Co Platinum Works (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)
Xanthippe Chems (P)

OXAMIDE

►ACETO CHEM CO (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Arapahoe Chems (P)
Eastern Chem Corp (P)
Millmaster Chem Corp (P)
Var-Lac-Oid Chem Co (P)

OX GALL (Fel Bovis)

►ACETO CHEM CO
George Uhe Co

Riker Labs (P)
Wilson Labs (P)
Winthrop Labs (P)

OXIDANTS, OZONE

Pennsalt Chems Corp (P)

Welsbach Corp (P)

p,p'-OXYBIS (BENZENESULFONYL-HYDRAZINE)

Naugatuck Chem Div (P)

3-3'-OXYDIPROPIONITRILE

Aldrich Chem Co (P)
Applied Science Labs

OXYGEN, GAS

Air Reduction Sales Co (P)
Thomas A Edison Industries, Medical Gas Div (P)
Air Products, Inc (P)
Linde Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)

(P) Company classifies itself as producer
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OXYGEN, LIQUID

Air Products, Inc (P)
Air Reduction Sales Co (P)
Thomas A Edison Industries, Medical Gas Div (P)
Linde Co (P)
Liquid Carbonic Div, General Dynamics Corp (P)
National Cylinder Gas Div (P)
Southern Oxygen Co (P)

P

PAINT BASES

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Degen Oil & Chem Co (P)
Dow Chem Co (P)
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Neville Chem Co (P)
Nitrogen Products, Inc
►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
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Shawinigan Resins Corp (P)
Sherwin-Williams Co (P)
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Union Carbide Corp, Silicones Div (P)

Adhesive Products Corp (P)
Alkydol Labs (P)
American Alkyd Industries of Cal (P)
Applied Plastics Div (P)
Archer-Daniels-Midland (P)
Bell-Ray Chem Corp (P)
Carroll Ltd (P)
Chemical Coatings & Engrg Co (P)
De Soto Chem Coatings (P)
Eagle-Picher Co (P)
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Pennsylvania Color & Chem Co (P)
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DeSoto Chem Coatings (P)
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Norton Chem Works (P)
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Reliance Chem Co (P)
Tropical Paint Co (P)

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Pennsylvania Industrial Chem Co (P)
Rohm & Haas Co (P)
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Shawinigan Resins Corp (P)
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Stein Hall & Co (P)
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Adhesive Products Corp (P)
Alkydol Labs (P)
American Alkyd Industries of Cal (P)
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Borden Chem Co (P)
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California Products Corp (P)
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Dewey & Almy Chem Div (P)
Firestone Plastics Co (P)
B F Goodrich Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Moran Paint Co (P)
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National Casein Co (P)
National Starch & Chem Corp (P)
Naugatuck Chem Div (P)
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Rubba, Inc (P)
Tropical Paint Co (P)
United Lacquer Mfg Corp (P)

(P) Company classifies itself as producer
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See company directory for addresses

PAINT PRIMERS see Primers, Paint

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Pennsalt Chems Corp (P)
Sherwin-Williams Co (P)
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Arco Co (P)
Armstrong Paint & Varnish Works (P)
Atlas Mineral Products (P)
California Products Corp (P)
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Chase Chem Corp (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Dampney Co (P)
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Varniton Co (P)
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Carroll Ltd (P)
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DeSoto Chem Coatings (P)
Heresite & Chem Co (P)
Inertol Co (P)
Quigley Co (P)
Reliance Chem Co (P)
Rust-Oleum Corp (P)
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Fisher Scientific Co
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National Lead Co (P)
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Arco Co (P)
Armstrong Paint & Varnish Works (P)
Atlas Mineral Products (P)
Axel Plastics Research Labs (P)
Carroll Ltd (P)
Ceilcote Co (P)
Chase Chem Corp (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Dacar Chem Products Co (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Duralac Chem Corp (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Kaysing Corp (P)
Marblette Corp (P)
Moran Paint Co (P)
Prufcoat Labs (P)
Quigley Co (P)
Reliance Chem Co (P)
Rust-Oleum Corp (P)
Sauereisen Cements Co (P)
Shamrock Specialties Co (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
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United States Varnish Co (P)
Varniton Co (P)
West Chester Chem Co (P)

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● Diatomaceous Silicas ● #20-30 Grind Sand
● Red Oxide ● Mineral Black ● Yellow Ocher
● Clays ● Magnesium Carbonate
● Calcium Carbonates ● Magnesium Silicates

In this, our Golden Anniversary year, Tamms extends thanks to the industry for its generous patronage. We pledge ourselves, during our second half-century, to adhere to the same standards of quality and service that have won us the friendship and support we prize so much.

Tamms INDUSTRIES CO.
228 North LaSalle St., Chicago 1, Illinois FRanklin 2-2570

PAINTS, DAMP RESISTANT

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Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesive Products Corp (P)
Allied Finishing Specialties (P)
Armstrong Paint & Varnish Works (P)
Carroll Ltd (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Heresite & Chem Co (P)
Inertol Co (P)
Moran Paint Co (P)
Prufcoat Labs (P)
Quigley Co (P)
Reliance Chem Co (P)
Rust-Oleum Corp (P)
Socony Mobil Oil Co (P)
Tropical Paint Co (P)
United Lacquer Mfg Corp (P)
United States Varnish Co (P)
West Chester Chem Co (P)

PAINTS, FIRE RETARDANT

Better Finishes & Coatings (P)
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Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesive Products Corp (P)
California Products Corp (P)
Carroll Ltd (P)
Chemical Coatings & Engrg Co (P)
DeSoto Chem Coatings (P)
Moran Paint Co (P)
Quigley Co (P)
Reliance Chem Co (P)
Sauereisen Cements Co (P)
United Lacquer Mfg Corp (P)

PAINTS, HEAT RESISTANT

►ALLIED CHEM CORP, PLASTICS DIV (P)
Better Finishes & Coatings (P)
►DU PONT, FABRICS & FINISHES DEPT (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
Chemical Coatings & Engrg Co (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Duralac Chem Corp (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
Pruett-Schaffer Chem Co (P)
Prufcoat Labs (P)

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Quigley Co (P)
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Rust-Oleum Corp (P)
Sauereisen Cements Co (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
Tropical Paint Co (P)
United Lacquer Mfg Corp (P)

PAINTS, INSULATING

►DU PONT, FABRICS & FINISHES DEPT (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesive Products Corp (P)
American Products Mfg Co (P)
Applied Plastics Div (P)
Armstrong Paint & Varnish Works (P)
Axel Plastics Research Labs (P)
Chemical Coatings & Engrg Co (P)
DeSoto Chem Coatings (P)
Kaysing Corp (P)
Marblette Corp (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
Pruett-Schaffer Chem Co (P)
Quigley Co (P)
Sauereisen Cements Co (P)
Schenectady Varnish Co (P)
United Lacquer Mfg Corp (P)

PAINTS, LUMINOUS

►DU PONT, FABRICS & FINISHES DEPT (P)
Fairmount Chem Co (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

American Products Mfg Co (P)
Arco Co (P)
Lawter Chems (P)
Chemical Coatings & Engrg Co (P)
Moran Paint Co (P)
Quigley Co (P)

PAINTS, MILDEW RESISTANT

Better Finishes & Coatings (P)
►DU PONT, FABRICS & FINISHES DEPT (P)
►METAL & THERMIT CORP (P)
Metalsalts Corp (P)
Sherwin-Williams Co (P)
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Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
Buckman Labs (P)
California Products Corp (P)
Chemical Coatings & Engrg Co (P)
DeSoto Chem Coatings (P)
Inertol Co (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
Quigley Co (P)
Reliance Chem Co (P)
Rust-Oleum Corp (P)
Socony Mobil Oil Co (P)
Tropical Paint Co (P)
United Lacquer Mfg Corp (P)
West Chester Chem Co (P)

PAINTS, OILPROOF

Better Finishes & Coatings (P)
Esso Standard Oil (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Atlas Mineral Products Co (P)
Coopers Creek Chem Corp (P)
DeSoto Chem Coatings (P)
Dampney Co (P)
Duralac Chem Corp (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Marblette Corp (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
Pruett-Schaffer Chem Co (P)
Quigley Co (P)
Reliance Chem Co (P)
Sauereisen Cements Co (P)
Socony Mobil Oil Co (P)
Tropical Paint Co (P)
United Lacquer Mfg Coro (P)
West Chester Chem Co (P)

PAINTS, WATERPROOF

►ALLIED CHEM CORP, PLASTICS DIV (P)
Better Finishes & Coatings (P)
►DU PONT, FABRICS & FINISHES DEPT (P)
Miller-Stephenson Chem Co (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)

Adhesives Products Corp (P)
Allied Finishing Specialties Co (P)
Applied Plastics Div (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
California Products Corp (P)
Chemical Coatings & Engrg Co (P)
Chemical Compounding Corp (P)
Coopers Creek Chem Corp (P)
Dampney Co (P)
DeSoto Chem Coatings (P)
Duralac Chem Corp (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Kaysing Corp (P)
Marblette Corp (P)
Moran Paint Co (P)
National Gypsum Co (P)
Pruett-Schaffer Chem Co (P)
Prufcoat Labs (P)
Quigley Co (P)
Reliance Chem Co (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
Tropical Paint Co (P)
United Lacquer Mfg Corp (P)
Varnitan Co (P)
West Chester Chem Co (P)

PALLADIUM BICHLORIDE see Palladium Chloride

PALLADIUM CHLORIDE (Palladous Chloride, Palladium Bichloride)

Goldsmith Bros Div (P)
L E Simmons Refining Co (P)
Var-Lac-Old Chem Co (P)

J Bishop & Co Platinum Works (P)
Bram Metallurgical-Chem Co (P)
Chemical Commerce (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)

PALLADIUM, METAL

Fisher Scientific Co (P)
Goldsmith Bros Div (P)
D F Goldsmith Chem Co (P)
Fairmount Chem Co (P)
L E Simmons Refining Co (P)
Var-Lac-Old Chem Co (P)

Allied Finishing Specialties Co (P)
J Bishop & Co Platinum Works (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
Bram Metallurgical-Chem Co (P)
J A Samuel & Co (P)
Williams Gold Refining Co (P)

PALM BUTTER see Oil, Palm

PALM GREASE see Oil, Palm

PALMITOYL CHLORIDE

►TRUBEK LABS (P)

E F Drew & Co (P)

PANAMA BARK see Soap Bark

PANCREATIN

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►R W GREEFF & CO
►MILES CHEM CO (P)

Armour Pharmaceutical Co (P)
Paul-Lewis Labs (P)
Wilson Labs (P)
Jacques Wolf & Co (P)

PAPAIN

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►MILES CHEM CO (P)
►S B PENICK & CO (P)

Hathaway Allied Products (P)
Prentiss Drug & Chem Co (P)
Paul-Lewis Labs (P)
Roselle Labs (P)
Wallerstein Co (P)

PAPER CHEMICALS—see also Sizing Compounds, Rosin, Wax Emulsions, Pigments, Dispersing Agents, etc.

►AIR REDUCTION CHEM & CARBIDE CO (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, NITROGEN DIV (P)
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Burtonite Co (P)
Cabot Corp (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Fine Organics (P)
General Elec Co, Silicone Products (P)
Glyco Chems (P)
►HARSHAW CHEM CO (P)
Hercules Powder Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Kessler Chem Co (P)
E & F King & Co
Maher Color & Chem Co
George Mann & Co
Metalsalts Corp (P)
►MILES CHEM CO (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
Neville Chem Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PHILADELPHIA QUARTZ CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)

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►SHELL CHEM CO (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
Stein Hall & Co (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)
Valchem (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Bennett Inc (P)
Berkshire Color & Chem Corp (P)
Boler Petroleum Co (P)
Bryant Chem Corp (P)
Ciba Co (P)
Clarkson Labs (P)
Colloids, Inc (P)
Continental Chem Co (P)
E F Drew & Co (P)
Eagle-Picher Co (P)
Emkay Chem Co (P)
Essential Chem Co (P)
Fiber Chem Corp (P)
Foremost Food &Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Hagan Chems & Controls (P)
Hodag Chem Corp (P)
Edward Mendell Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Mona Industries (P)
Nalco Chem Co (P)
National Starch & Chem Corp (P)
Norton Chem Works (P)
Petrochemicals Co (P)
Polyvinyl Chems (P)
Procter & Gamble Co (P)
Reichhold Chems, Inc (P)
Reilly-Whiteman-Walton Co (P)
Socony Mobil Oil Co (P)
Titan Chem Products (P)
Universal Detergents (P)
R T Vanderbilt Co (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

PARAFFINS, CHLORINATED

Chemtron Corp (P)
Diamond Alkali Co (P)
Hercules Powder Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

Dover Chem Co (P)
Western Organics (P)

PARAFORMALDEHYDE (Paraform, Polyoxymethylene, Polymerized Formaldehyde)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Philip A Hunt Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Rohco Chems
J U Starkweather Co
Thompson-Hayward Chem Co

Heyden Newport Chem Corp (P).

PARALDEHYDE (Paracetaldehyde)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Mallinckrodt Chem Works (P)
Union Carbide Chems Co (P)

PARATHION (O,O-Diethyl-O-p-Nitrophenyl Thiophosphate, Diethyl-p-Nitrophenyl Thionophosphate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
►BAIRD CHEM INDUSTRIES, INC
Chempar Chem Co (P)
►DU PONT, PIGMENTS DEPT (P)
Faesy & Besthoff
►HARSHAW CHEM CO (P)
►MONSANTO CHEM CO (P)
►STAUFFER CHEM CO
Thompson-Hayward Chem Co

Ortho Div (P)

PEARL ESSENCE

►AMERICAN-BRITISH CHEM SUPPLIES
Chemical Mfg Co
Mearl Corp (P)
Rona Pearl Corp (P)
Var-Lac-Oid Chem Co (P)

Claremont Pigment Dispersion Corp (P)

PEARL WHITE see Bismuth Oxychloride

PEAT MOSS

Faesy & Besthoff

PECTIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

Colyer Co (P)

n-PELARGONOYL-p-AMINOPHENOL

►MILES CHEM CO (P)

PENETRANTS, CARBONIZING

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Maher Color & Chem Co (P)
M Michel & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Synthetic Chems (P)
Tennessee Corp (P)

E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Hart Products Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

PENETRANTS, LEATHER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Atlas Chem Industries, Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
Maher Color & Chem Co (P)
M Michel & Co

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►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rohm & Haas Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Synthetic Chems (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Bryant Chem Corp (P)
Ciba Co (P)
Colloids, Inc (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Finetex Inc (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
Mona Industries (P)
Scher Bros (P)
R & A Leather Finish Co (P)
Reilly-Whiteman-Walton Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Titan Chem Products (P)
Arthur C Trask Co (P)
Warwick Chem Div (P)
Wye Industries (P)

PENETRANTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Atlas Chem Industries, Chems Div (P)
Concord Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Geigy Dyestuffs Div (P)
Hercules Powder Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
M Michel & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Rohm & Haas Co (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Tennessee Corp (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS DIV (P)
Verona-Pharma Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Arnold, Hoffman & Co (P)
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Bryant Chem Corp (P)
Ciba Co (P)
Colloids, Inc (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
W F Fancourt Co (P)
Finetex Inc (P)
Hagan Chems & Controls (P)
Marlowe-Van Loan Corp (P)
Hart Products Corp (P)
Lestoil Products (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Procter & Gamble Co (P)
Reilly-Whiteman-Walton Co (P)
Royce Chem Co (P)
Scher Bros (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

PENICILLIN

►ELI LILLY & CO, ELANCO DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
George Uhe Co

PENTABORANE

►AMERICAN POTASH & CHEM CORP (P)

PENTABROMOPHENOL

Michigan Chem Corp (P)

PENTACHLOROBENZENETHIOL

►DU PONT, DYES & CHEMS DIV (P)

PENTACHLOROETHANE

Eastern Chem Corp (P)

PENTACHLORONITROBENZENE

►ACETO CHEM CO
Olin Mathieson Chem Corp, Industrial Chems (P)

PENTACHLOROPHENOL

Aldrich Chem Co (P)
Dow Chem Co (P)
Fallek Chem Corp
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
Thompson-Hayward Chem Co
Coopers Creek Chem Corp (P)
Frontier Chem Co (P)
Hayes-Sammons Chem Co (P)
Reichhold Chems, Inc (P)
Thompson Chems Corp (P)
R T Vanderbilt Co (P)

PENTADECYL CARBINOL see Alcohol, Cetyl

PENTAERYTHRITOL

►BAIRD CHEM INDUSTRIES, INC
►CELANESE CHEM CO (P)
COMMERCIAL SOLVENTS CORP (P)
Hercules Powder Co (P)
Mercer Chem Corp
Tar Residuals

Delaware Chems (P)
Heyden Newport Chem Corp (P)
Reichhold Chems, Inc (P)
Trojan Powder Co (P)

PENTAERYTHRITOL TETRANITRATE (PETN)

Atlas Chem Industries, Chems Div (P)
►DU PONT, EXPLOSIVES DEPT (P)
►R W GREEFF & CO
Hercules Powder Co (P)

Trojan Powder Co (P)

PENTAGLYCERINE see Trimethylolethane

3,5,7,3′,4′-PENTAHYDROXYFLAVONE-3-RUTINOSIDE see Rutin

PENTAMETHYLENE AMINE see Piperidine

PENTAMETHYLENE DIBROMIDE (1,5-Dibromopentane)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
Farchan Research Labs (P)
K & K Labs (P)
Nease Chem Co (P)
RSA Corp (P)

Edcan Labs (P)

PENTAMETHYLENE TETRAZOLE

►R W GREEFF & CO
RSA Corp (P)

Knoll Pharmaceutical Co (P)
Roselle Labs (P)

n-PENTANE (Amylhydride)

American Mineral Spirits Co (P)
►CHEMICAL SOLVENTS, INC
Phillips Petroleum Co, Special Products Div (P)

Atlas Processing Co (P)
Signal Oil & Gas Co (P)
United Fuel Gas Co (P)

1,5-PENTANEDIOL

Union Carbide Chems Co (P)

2,3-PENTANEDIONE see Acetyl Propionyl

2,4-PENTANEDIONE see Acetylacetone

PENTANETHIOL see Amyl Mercaptan

1-PENTANOL see Alcohol, pri.-n-Amyl

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2-PENTANOL see Alcohol, sec.-n-Amyl

2-PENTANONE see Methyl Propyl Ketone

3-PENTANONE see Diethyl Ketone

PENTENE-1 (Propylethylene; α-n-Amylene)
Farchan Researchs Labs (P)
Phillips Petroleum Co, Special Products Div (P)

cis-PENTENE-2 (cis-β-n-Amylene)
Farchan Research Labs (P)
Phillips Petroleum Co, Special Products Div (P)

trans-PENTENE-2
Farchan Research Labs (P)

PENTENES, MIXED
►ENJAY CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)
Eastern States Petroleum & Chem Corp (P) Roselle Labs (P)

PENTOBARBITAL
►BENZOL PRODUCTS CO (P)
J H DeLamar & Son
Gane's Chems Works (P)
►R W GREEFF & CO
George Uhe Co
Biorganic Labs (P)

PENTOBARBITAL CALCIUM
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Gane's Chem Works (P)
Biorganic Labs (P) Roselle Labs (P)

PENTOBARBITAL SODIUM
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Gane's Chem Works (P)
►R W GREEFF & CO
►McKESSON & ROBBINS, CHEM DEPT
George Uhe Co
Biorganic Labs (P) Roselle Labs (P)

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►R W GREEFF & CO
►McKESSON & ROBBINS, CHEM DEPT
►MILES CHEM CO (P)
Pfanstiehl Labs
Armour Pharmaceutical Co (P) Wilson Labs (P) Winthrop Labs (P)
Paul-Lewis Labs (P)

PEPTONES
J H DeLamar & Son
Pfanstiehl Labs
Sheffield Chem Div (P)
Wilson & Co (P)
Amber Labs (P) Wilson Labs (P)
Milbrew Co (P)

PEPTONES, FERMENTATION
Wilson & Co (P)

PERBORAX see Sodium Perborate

PERBORIN see Sodium Perborate

PERCHLORATES, ORGANIC
►AMERICAN POTASH & CHEM CORP (P)
Diamond Alkali Co (P)
Hostachem Corp
International Selling Corp
Hummel Chem Co (P)

PERCHLOROETHANE see Hexachloroethane

PERCHLOROETHYLENE see Tetrachloroethylene

PERCHLOROMETHANE see Carbon Tetrachloride

PERCHLOROMETHYL MERCAPTAN
►STAUFFER CHEM CO (P)
Wallach-Gracer Export Corp

PERCHLOROPROPYLENE see Hexachloropropylene

PERFUME BASES
Dodge & Olcott (P)
Dow Chem Co (P)
Florasynth Labs (P)

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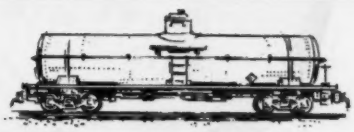
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Wood Ridge Chem Corp (P)
Guard Chem Corp (P)
Troy Chem Co (P)

PHENYL MERCURIC NAPHTHENATE
W A Cleary Corp (P)
Metalsalts Corp (P)
Nuodex Products Co (P)
Wood Ridge Chem Corp (P)
Advance Solvents & Chem Div (P)
Guard Chem Co (P)
Norton Chem Works (P)
Troy Chem Co (P)

PHENYL MERCURIC NITRATE
W A Cleary Corp (P)
Metalsalts Corp (P)
Wood Ridge Chem Corp (P)
Guard Chem Corp (P)

PHENYL MERCURIC PHTHALATE
W A Cleary Corp (P)
Metalsalts Corp (P)
Norton Chem Works (P)

PHENYL MERCURIC PICRATE
Metalsalts Corp (P)

PHENYL MERCURIC STEARATE
W A Cleary Corp (P)
Metalsalts Corp (P)
Guard Chem Co (P)
Norton Chem Works (P)

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PHENYLMERCURIALS

● Phenylmercuric Acetate
● Phenylmercuric Oleate
● Phenylmercuric Borate

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(N. J.) HA 7-6000

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•
Industrial and Agricultural Fungicides
•
LECITHIN
FOR FOOD and INDUSTRY
CHarter 7-8000
W. A. CLEARY CORPORATION
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SKOKIE, ILL.
BELLVILLE, ONT., CANADA

PHENYLMETHANE see Toluene

PHENYLMETHYL CARBINOL see Alcohol, Styralyl

PHENYLMETHYL KETONE see Acetophenone

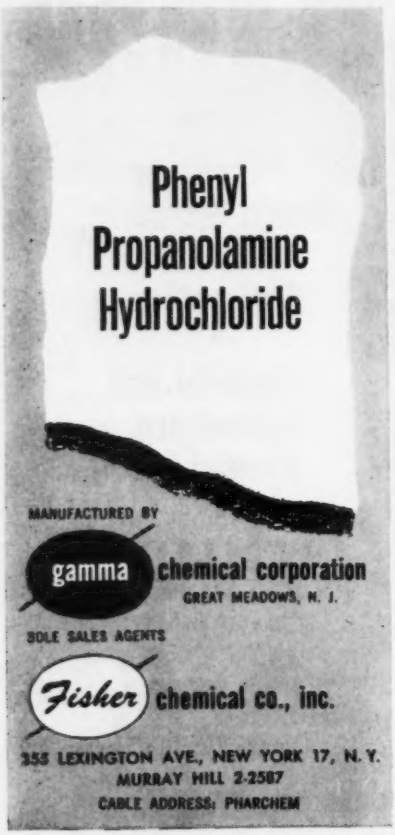
N1-PHENYL-2-METHYL-1,2-PROPANEDIAMINE
Aldrich Chem Co (P)

1-PHENYL-3-METHYL-5-PYRAZOLONE
Aldrich Chem Co (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
H P Rossiger & Co
Verona-Pharma Chem Corp (P)
Ciba Co (P) Winthrop Labs (P)

2-PHENYL-6-METHYL-QUINOLINE-4-CARBOXYLIC ACID ETHYL ESTER see Neocinchophen

PHENYL-a-NAPHTHYLAMINE
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)

PHENYL NITROMETHANE
K & K Labs (P)



o-PHENYLPHENOL
Dow Chem Co (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Reichhold Chems, Inc (P)

p-PHENYLPHENOL
Dow Chem Co (P)

PHENYLPROPANOLAMINE HYDROCHLORIDE
J H DeLamar & Son
Fisher Chem Co
►R W GREEFF & CO
►S B PENICK & CO, NYQ CHEM DIV (P)
Biarganic Labs (P) Hexagon Labs (P)
Fries Bros (P) Nepera Chem Co (P)
Gamma Chem Corp (P) Polychemical Labs (P)

PHENYL-2-PROPANONE see Phenylacetone

PHENYLPROPYL CHLORIDE
►TRUBEK LABS (P)

PHENYL SALICYLATE see Salol

PHENYL SEMICARBAZIDE
Eastern Chem Corp (P)
RSA Corp (P)
Ander Labs (P)

PHENYL THIOUREA
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)

PHENYLTRICHLOROSILANE
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Union Carbide Corp, Silicones Div (P)
Peninsular ChemResearch (P)

PHLOROGLUCINE see Phloroglucinol

PHLOROGLUCINOL (Phloroglucine; 1,3,5-Trihydroxybenzene)
Fairmount Chem Co (P)
Eastern Chem Corp (P)
Morton Chem Co (P)
Norton Chem Works (P)

PHOSGENE (Carbonyl Chloride, Chloroformyl Chloride)
►DELMAR CHEM CO (P)
►R W GREEFF & CO
J F Henry Chem Co

PHOSPHATE, EDIBLE BONE
United Chem & Organic Products (P)

PHOSPHONITRILE CHLORIDE
Millmaster Chem Corp (P)
Riches-Nelson, Inc
Xanthippe Chems (P)

PHOSPHORIC ANHYDRIDE see Phosphorus Pentoxide

PHOSPHORIC CHLORIDE see Phosphorus Pentachloride

PHOSPHORIC SULFIDE see Phosphorus Pentasulfide

PHOSPHORUS, BLACK
Tennant Chem Div (P)

PHOSPHORUS COMPOUNDS, ORGANIC
Aldrich Chem Co (P)
►AMERICAN POTASH & CHEM CORP (P)
Dow Chem Co (P)
►ETHYL CORP (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►METAL & THERMIT CORP (P)
►MONSANTO CHEM CO (P)
Riches-Nelson, Inc
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
Ortho Div (P) Peninsular ChemResearch (P)
Schwarz BioResearch (P)

PHOSPHORUS HEPTASULFIDE
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►VICTOR CHEM WORKS (P)

PHOSPHORUS OXYCHLORIDE (Phosphoryl Chloride)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
Riches-Nelson, Inc
Joseph Turner & Co
►VICTOR CHEM WORKS (P)
FMC Corp, Chems & Plastics Div (P)

PHOSPHORUS PENTACHLORIDE (Phosphoric Chloride)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Mallinckrodt Chem Works (P)
Riches-Nelson, Inc

PHOSPHORUS PENTASULFIDE (Phosphoric Sulfide, Thiophosphoric Anhydride, Phosphorus Persulfide)
►AMERICAN AGRICULTURAL CHEM CO (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)

PHOSPHORUS PENTOXIDE (Phosphoric Acid Anhydrous)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
Riches-Nelson, Inc
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

PHOSPHORUS PERSULFIDE see Phosphorus Pentasulfide

PHOSPHORUS, RED
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Hostachem Corp
Mallinckrodt Chem Works (P)

PHOSPHORUS SALT see Sodium-Ammonium Phosphate

PHOSPHORUS SESQUISULFIDE (Tetraphosphorus Trisulfide)
►AMERICAN AGRICULTURAL CHEM CO (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►VICTOR CHEM WORKS (P)

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►See catalog advertisement (Advertisers Index)

PHOSPHORUS TRIBROMIDE (Phosphorous Bromide)

Dow Chem Co (P)
Great Lakes Chem Corp (P)
Michigan Chem Corp (P)
Millmaster Chem Corp (P)

PHOSPHORUS TRICHLORIDE (Phosphorous Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
Joseph Turner & Co
►VICTOR CHEM WORKS (P)
FMC Corp, Chems & Plastics Div (P)

PHOSPHORUS, WHITE

►AMERICAN AGRICULTURAL CHEM CO (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

PHOSPHORYL CHLORIDE see Phosphorus Oxychloride

PHOTOGRAPHIC SPECIALTIES—see also Developers and Fixers

Dow Chem Co (P)
Fairmount Chem Co (P)
Heico, Inc (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV
Mallinckrodt Chem Works (P)
Union Carbide Chems Co (P)
Hagan Chems & Controls (P)
Heyden Newport Chem Corp (P)
Merix Chem Co (P)
Tennant Chem Div (P)

PHTHALAMIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Maumee Chem Co (P)
Riches-Nelson, Inc
Beacon Chem Industries (P)

PHTHALANDIONE see Phthalic Anhydride

PHTHALAZONE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

PHTHALIC ANHYDRIDE (Phthalandione)

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
American Firstoline Corp
Amoco Chems Corp (P)
►BAIRD CHEM INDUSTRIES, INC
Bergstrom Trading Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
B T Chemco
Conray Products Co
M W Hardy & Co (P)
Hatco Chem Div (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
►MONSANTO CHEM CO (P)
Oronite Div (P)
Pittsburgh Chem Co (P)
Shwayder Chem Metallurgy Corp (P)
Tar Residuals

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PHTHALIC ANHYDRIDE

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For use in the manufacture of phthalate plasticizers—polyester resins—alkyd resins—anthaquinone (vat) dyes and pigments. Available in two grades—flake and molten.

Cyanamid also a dependable source of maleic anhydride. Save shipping costs by ordering combined shipments.

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Process Chemicals Department
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Molten—Tank Cars (100,000 lbs.)
Tank Trucks (40,000 lbs.)

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PITTSBURGH CHEMICAL COMPANY
A Subsidiary of
Pittsburgh Coke & Chemical Company
GRANT BLDG. PITTSBURGH 19, PA.
Offices in
Pittsburgh, Pa., Paramus, N.J., Chicago, Ill.

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PHTHALIC ANHYDRIDE

High quality.
Quick delivery in molten or flake form.
Warehoused at key consuming points.

ISOPHTHALIC

Oronite is the original and most experienced producer of isophthalic.
Standard of quality in alkyd and polyester resin manufacture.
Available in flake form in 50 lb. bags.
Warehoused at key consuming points.

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Molten in tank car or tank truck shipments.
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ORONITE DIVISION
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Sales Offices
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Foreign Affiliate
California Chemical International, Inc.
San Francisco, Geneva, Panama, Sao Paulo, Tokyo

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Phthalic Anhydride, Isophthalic Acid and Terephthalic Acid

For paints, plasticizers and polyesters

AMOCO CHEMICALS

AMOCO CHEMICALS CORPORATION
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Chicago 1, Illinois

PHTHALIC ANHYDRIDE (continued)

George Uhe Co
►WITCO CHEM CO (P)

American Cyanamid Co, Plastics & Resins Div (P)
Archer-Daniels-Midland Co (P)
Eastern States Petroleum & Chem Corp (P)
Reichhold Chems, Inc (P)
Thompson Chem Co (P)

PHTHALIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Fairmount Chem Co (P)

PHTHALIMIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Maumee Chem Co (P)
Riches-Nelson, Inc

Anderson Chem Div (P)
Clinical Chems Corp (P)
Thomasset Colors (P)

PHTHALOCYANINES

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, PIGMENTS DEPT (P)
Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Sherwin-Williams Co (P)

American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
Ciba Co (P)
Holland Color & Chem Co (P)
Standard Ultramarine & Color Co (P)

PHTHALYL CHLORIDE (o-Phthaloyl Dichloride; 1,2-Benzene Dicarbonyl Chloride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►MONSANTO CHEM CO (P)

o-PHTHALOYL DICHLORIDE see Phthalyl Chloride

PHTHALYL GLYCOLATES

►MONSANTO CHEM CO (P)

PHTHALYLSULFACETAMIDE

Hoffman Labs (P)

American Cyanamid Co, Fine Chems Dept (P)
Arenol Chem Corp (P)
Guard Chem Co (P)
B L Lemke & Co (P)
Polychemical Labs (P)
Roselle Labs (P)

PHTHALYLSULFATHIAZOLE

Junice Labs, Inc
Merck Chem Div (P)

Clinical Chems Corp (P)
Guard Chem Co (P)
B L Lemke & Co (P)
Polychemical Labs (P)

PHYTOL

American Oil & Supply Co
►CALIFORNIA CORP FOR BIOCHEM CORP
►R W GREEFF & CO

PHYTOSTEROLS see Sterols

PICKLE ALUM see Aluminum Sulfate

PICKLING AGENTS

►AMERICAN AGRICULTURAL CHEM CO (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►WYANDOTTE CHEMS CORP (P)

Du Bois Co (P)
Fiber Chem Corp (P)
E F Houghton & Co (P)
Northwest Chem Co (P)
Oakite Products (P)

α-PICOLINE

►ACETO CHEM CO
►ALLIED CHEM CORP, PLASTICS DIV
Browning Chem Corp
Gallard-Schlesinger Chem Mfg Co (P)
M W Hardy & Co
Industrial Chem & Dye Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
Reilly Tar & Chem Corp (P)
Samincorp
Tar Residuals
George Uhe Co
Union Carbide Chems Co (P)

Crowley Tar Products Co (P)
U S Steel Corp (P)

β-PICOLINE

►ACETO CHEM CO
Browning Chem Corp
M W Hardy & Co
Midland Tar Distillers
Reilly Tar & Chem Corp (P)
Tar Residuals
George Uhe Co

Crowley Tar Products Co (P)

γ-PICOLINE

►ACETO CHEM CO
Browning Chem Corp
M W Hardy & Co
Midland Tar Distillers
Reilly Tar & Chem Corp (P)
George Uhe Co
Union Carbide Chems Co (P)

Crowley Tar Products Co (P)

PICOLINES, MIXED

►ALLIED CHEM CORP, PLASTICS DIV (P)
Browning Chem Corp
M W Hardy & Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
Reilly Tar & Chem Corp (P)
Samincorp
Tar Residuals

Crowley Tar Products Co (P)
U S Steel Corp (P)

2-PICOLINE-N-OXIDE

Aldrich Chem Co (P)
Reilly Tar & Chem Corp (P)

Beacon Chem Industries (P)

4-PICOLINE-N-OXIDE

Aldrich Chem Co (P)
Reilly Tar & Chem Corp (P)

Beacon Chem Industries (P)

PIGMENT DISPERSIONS

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Ansbacher-Siegle Corp (P)
Armour Industrial Chem Co (P)
Collway Pigments (P)
Columbian Carbon Co (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Miller-Stephenson Chem Co (P)
Mineral Pigments Corp (P)
Rona Pearl Corp (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co
►SONNEBORN CHEM & REFINING CORP (P)
Verona-Pharma Chem Corp (P)

Adhesive Products Corp (P)
American Cyanamid Co, Pigments Div (P)
American Molding Powder & Chem Corp (P)
Arnold, Hoffman & Co (P)
B B Chem Co (P)
California Ink Co (P)
Chemical Coatings & Engrg Co (P)
Ciba Co (P)
Claremont Pigment Dispersion Corp (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Interchem Corp, Color & Chems Div (P)
Kromail Chem & Dispersions Corp (P)
Landers-Segal Color Co (P)
Monroe Sander Corp (P)
Naugatuck Chem Div (P)
New York Color & Chem Co (P)
Pennsylvania Color & Chem Co (P)
Pro-Chem, Inc (P)
Ram Chems (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)
Swift & Co, Adhesive Products Dept (P)
Thomasset Colors (P)

PHTHALIC ANHYDRIDE

Manufactured by

WITCO

- Highest in quality
- Uniform from batch to batch
- Molten or flake shipments
- Personalized Technical Service

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Organic Chemicals Division

122 East 42nd Street • New York 17, N.Y.

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►See catalog advertisement (Advertisers Index)

PIGMENTS, BLACK

►AMERICAN AGRICULTURAL CHEM CO (P)
Ansbacher-Siegle Corp (P)
Barnebey-Cheney Co (P)
Cabot Corp (P)
Colloway Pigments (P)
Columbian Carbon Co (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
J M Huber Corp (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)
►WITCO CHEM CO (P)

Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
Frank D Davis Co (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Rare Metal Products Co (P)
Shepherd Chem Co (P)
Paul Uhlich & Co (P)

PIGMENTS, BLUE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Colloway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
Whittaker, Clark & Daniels

American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
California Ink Co (P)
Ciba Co (P)
Frank D Davis Co (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Landers-Segal Color Co (P)
Fred'k H Levey Co (P)
Magruder Color Co (P)
Max Marx Color & Chem (P)
New York Color & Chem Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

PIGMENTS, BROWN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Charles B Chrystal Co
Colloway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
Frank D Davis Co (P)
Interchem Corp, Color & Chem Div (P)
Landers-Segal Color Co (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Tamms Industries (P)

PIGMENTS, CHROME see Chrome Greens, Oranges and Yellows

PIGMENTS, EXTENDER see Fillers

PIGMENTS, FLATTING

Cabot Corp (P)
English Mica Co (P)
Great Lakes Carbon Corp, Dicalite Dept (P)
J M Huber Corp (P)
►JOHNS-MANVILLE (P)
H Kohnstamm & Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Smith Chem & Color Co (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Interchem Corp, Color & Chems Div (P)
Kenite Corp (P)
Mineralite Sales Corp (P)

PIGMENTS, FLUORESCENT

Colloway Pigments (P)
Filo Color & Chem Corp (P)
Var-Lac-Old Chem Co (P)

Canadian Radium & Uranium Corp (P)
Imperial Color Chem & Paper Dept (P)
Lawter Chems (P)
Rhode Island Labs (P)
Sylvania Elec Products (P)

PIGMENTS, GREEN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Colloway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Rona Pearl Corp (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
California Ink Co (P)
Imperial Color Chem & Paper Dept (P)
Holland Color & Chem Co (P)
Keystone Color Works (P)
Fred'k H Levey Co (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
McGean Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

PIGMENTS, LEAD see specific compounds

PIGMENTS, LEATHER

►AMERICAN AGRICULTURAL CHEM CO (P)
Ansbacher-Siegle Corp (P)
Colloway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
►HARSHAW CHEM CO (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
Rohm & Haas Co (P)
Rona Pearl Corp (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
B B Chem Co (P)
Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Metal Hydrides (P)
New Jersey Zinc Co (P)
R & A Leather Finish Co (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Titanium Pigment Corp (P)
Tracerlab Inc (P)

PIGMENTS, LUMINOUS see Pigments, Fluorescent and Pigments, Phosphorescent

PIGMENTS, ORANGE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Colloway Pigments (P)
►DAVISON CHEM DIV (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Kraft Chem Co
Michigan Chem Corp (P)
Mineral Pigments Corp (P)
Pfaltz & Bauer, Inc
Prince Mfg Co (P)
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

Advance Solvents & Chem Div (P)
American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
California Ink Co (P)
Ciba Co (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Interchem Corp, Color & Chems Div (P)
Landers-Segal Color Co (P)
Fred'k H Levey Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Western Dry Color Co (P)

ORGANIC PIGMENTS

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See company directory for addresses (P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

PIGMENTS, PAINT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Charles B Chrystal Co
Collway Pigments (P)
Diamond Alkali Co (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prince Mfg Co (P)
►REYNOLDS METALS CO (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Smith Chem & Color Co
Tamms Industries (P)
Verona-Pharma Chem Corp (P)
Charles A Wagner Co
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WYANDOTTE CHEMS CORP (P)

Aluminum Co of America (P)
American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Bunker Hill Co (P)
California Ink Co (P)
Ciba Co (P)
Frank D Davis Co (P)
Devcon Corp (P)
Eagle-Picher Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Kenite Corp (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Max Marx Color & Chem (P)
Metalead Products Corp (P)
Mineralite Sales Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
New Jersey Zinc Co (P)
Rare Metal Products Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Titanium Pigment Corp (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

PIGMENTS, PAPER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prince Mfg Co (P)
►REYNOLDS METALS CO (P)
Rona Pearl Corp (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WYANDOTTE CHEMS CORP (P)

Aluminum Co of America (P)
American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Bunker Hill Co (P)
Eagle-Picher Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Kenite Corp (P)
Keystone Color Works (P)
Landers-Segal Color Co (P)
C Lever Co (P)
Magruder Color Co (P)
New Jersey Zinc Co (P)
New York Color & Chem Co (P)
R & A Leather Finish Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Titanium Pigment Corp (P)
New Jersey Zinc Co (P)
R & A Leather Finish Co (P)
Ram Chems (P)
Rhode Island Labs (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Titanium Pigment Corp (P)
Paul Uhlich & Co (P)

PIGMENTS, PHOSPHORESCENT

City Chem Corp
Filo Color & Chem Corp (P)
Interstate Chem Corp
Var-Lac-Old Chem Co (P)

Canadian Radium & Uranium Corp (P)
Frank D Davis Co (P)
Rhode Island Labs (P)
Sylvania Elec Products (P)

PIGMENTS, PLASTIC

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN AGRICULTURAL CHEM CO (P)
Ansbacher-Siegle Corp (P)
Argus Chem Corp (P)
Cabot Corp (P)
Collway Pigments Co
Columbian Carbon Co
Diamond Alkali Co (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Rona Pearl Corp (P)
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WYANDOTTE CHEMS CORP (P)

Aluminum Co of America (P)
American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
California Ink Co (P)
Ciba Co (P)
Claremont Pigment Dispersion Corp (P)
B F Drakenfield & Co (P)
Eagle-Picher Co (P)
Federal Color Labs (P)
Garan Chem Co (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Mol-Rez Div (P)

PIGMENTS, RED

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Charles B Chrystal Co
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Prince Mfg Co (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Smith Chem & Color Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Bunker Hill Co (P)
California Ink Co (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Interchem Corp, Color & Chems Div (P)
Fred'k H Levey Co (P)
Landers-Segal Color Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
New York Color & Chem Co (P)
Rare Metal Products Co (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

PIGMENTS, RUBBER

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Collway Pigments (P)
Columbian Carbon Co (P)
Diamond Alkali Co (P)
►DU PONT, ELASTOMERS DEPT (P)
►DU PONT, PIGMENTS DEPT (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prince Mfg Co (P)
Sherwin-Williams Co (P)
Smith Chem & Color Co
Verona-Pharma Chem Corp (P)
Whittaker, Clark & Daniels
C K Williams & Co (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

American Cyanamid Co, Pigments Div (P)
Atlantic Chem Corp (P)
Brooklyn Color Works (P)
Bunker Hill Co (P)
Crowley Tar Products (P)
Frank D Davis Co (P)
B F Drakenfeld & Co (P)
Eagle-Picher Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Interchem Corp, Color & Chems Div (P)
Landers-Segal Color Co (P)
Louisiana Pine Products Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Moores Lime Co (P)
New Jersey Zinc Co (P)
Rare Metal Products Co (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Southeastern Clay Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Titanium Pigment Corp (P)
Paul Uhlich & Co (P)

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PIGMENTS, TEXTILE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Geigy Dyestuffs Div (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prince Mfg Co (P)
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)
►WYANDOTTE CHEMS CORP (P)

American Cyanamid Co, Pigments Div (P)
American Lignite Products (P)
Atlantic Chem Corp (P)
Crescent Chem Co (P)
Eagle-Picher Co (P)
Eastern Color & Chem Co (P)
Hart Products Corp (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Interchem Corp, Color & Chems Div (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Metro-Atlantic, Inc (P)
New Jersey Zinc Co (P)
Sandoz, Inc (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Titanium Pigment Corp (P)

PIGMENTS, WHITE

Ansbacher-Siegle Corp (P)
Cabot Corp (P)
Diamond Alkali Co (P)
►DU PONT, PIGMENTS DEPT (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
►JOHNS-MANVILLE (P)
H Kohnstamm & Co (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)
►WITCO CHEM CO (P)

American Cyanamid Co, Pigments Div (P)
Bunker Hill Co (P)
Eagle-Picher Co (P)
Eastern Color & Chem Co (P)
Holland Color & Chem Co (P)
McGean Chem Co (P)
Moores Lime Co (P)
New Jersey Zinc Co (P)
Southeastern Clay Co (P)
Standard Ultramarine & Color Co (P)
Titanium Pigment Corp (P)

PIGMENTS, YELLOW

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Ansbacher-Siegle Corp (P)
Collway Pigments (P)
Columbian Carbon Co (P)
►DU PONT, PIGMENTS DEPT (P)
Flo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Prince Mfg Co (P)
Revelli Chems, Inc
Sherwin-Williams Co (P)
Smith Chem & Color Co
Verona-Pharma Chem Corp (P)
C K Williams & Co (P)

American Cyanamid Co, Pigments Div (P)
Arnold, Hoffman & Co (P)
Brooklyn Color Works (P)
California Ink Co (P)
Ciba Co (P)
Frank D Davis Co (P)
Federal Color Labs (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Interchem Corp, Color & Chems Div (P)
Keystone Color Works (P)
Landers-Segal Color Co (P)
Fred'k H Levey Co (P)
Magruder Color Co (P)
Max Marx Color & Chem Co (P)
Rare Metal Products Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Shepherd Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)

PIGMENTS, ZINC see Pigments, White

PIG-WRACK see Moss, Irish

PILOCARPINE & SALTS

Henley & Co
Mallinckrodt Chem Works (P)

Glogau & Co (P)
Inland Alkaloid (P)

PINACOL (2,3-Dimethyl-2,3-Butanediol)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
Givaudan-Delawanna (P)
►MILES CHEM CO (P)
Millmaster Chem Corp

Borden Chem Co (P)
Edcan Labs (P)

PINACOLONE (Methyl-tert.-Butyl Ketone)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
K & K Labs (P)
Millmaster Chem Corp

Borden Chem Co (P)
Edcan Labs (P)

PINE RESIN see Rosin, Gum

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HILTON-DAVIS CHEMICAL CO. DIV.
CINCINNATI, OHIO

α-PINENE
Arizona Chem Co (P)
Hercules Powder Co (P)
Edcan Labs (P)

β-PINENE
Arizona Chem Co (P)
Hercules Powder Co (P)
Edcan Labs (P)

PIPERAZINE, ANHYDROUS
Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
Union Carbide Chems Co (P)
Biorganic Labs (P)
Fleming Labs (P)
Polychemical Labs (P)
Roselle Labs (P)

PIPERAZINE, HEXAHYDRATE
Bonewitz Chems
Conray Products Co
►JEFFERSON CHEM CO (P)
George Uhe Co
Biorganic Labs (P)
Fleming Labs (P)
Polychemical Labs (P)
Rhodia, Inc (P)
Roselle Labs (P)

PIPERAZINE ADIPATE
Bonewitz Chems
Polychemical Labs (P)
Roselle Labs (P)

PIPERAZINE BENZOATE
Polychemical Labs (P)
Roselle Labs (P)

PIPERAZINE CHLORIDE
►McKESSON & ROBBINS, CHEM DEPT
Fleming Labs (P)
Polychemical Labs (P)
Rhodia, Inc (P)
Roselle Labs (P)

PIPERAZINE CITRATE
Bonewitz Chems
Henley & Co
►JEFFERSON CHEM CO (P)
RSA Corp (P)
George Uhe Co
Fleming Labs (P)
Polychemical Labs (P)
Rhodia, Inc (P)
Roselle Labs (P)

PIPERAZINE LACTATE
Roselle Labs (P)

PIPERAZINE PHOSPHATE
Bonewitz Chems
Polychemical Labs (P)
Rhodia, Inc (P)
Roselle Labs (P)

PIPERAZINE SALICYLATE
Polychemical Labs (P)
Roselle Labs (P)

PIPERAZINE TARTRATE
Bonewitz Chems
Polychemical Labs (P)
Rhodia, Inc (P)
Roselle Labs (P)

PIPERIDINE (Hexahydropyridine, Pentamethyleneamine)
►ABBOTT LABS (P)
►DU PONT, DYES & CHEMS DIV (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Reilly Tar & Chem Corp (P)

PIPERONAL see Heliotropin

PIPERONYL BUTOXIDE
Fairfield Chems Div (P)
McLaughlin Gormley King Co
Prentiss Drug & Chem Co (P)

PISTACHIA GALLS see Gum, Mastic

PITCH
►ALLIED CHEM CORP, PLASTICS DIV (P)
Arizona Chem Co (P)
Armour Industrial Chem Co (P)
Darling & Co (P)
Emery Industries (P)
A Gross & Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Midland Tar Distillers
National Rosin Oil Products (P)
Tar Residuals
Capital City Products (P)
Colorado Fuel & Iron (P)
Continental Coatings
Crowley Tar Products Co (P)
Coopers Creek Chem (P)
Petrochemicals Co (P)
U S Steel Corp (P)
Universal Detergents (P)
Woburn Chem Corp (P)
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PITCH, TALL OIL
Arizona Chem Co (P)

PITCHBLENDE see Uranium Oxide

PLANT HORMONES
Eastern Chem Corp (P)
Millmaster Chem Corp (P)
►MONSANTO CHEM CO (P)
Amchem Products (P)
Miller Products Co (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Thompson Chems Corp (P)

PLASTER OF PARIS see Calcium Sulfate, Hemihydrate

PLASTICIZERS, CELLULOSE
►ALLIED CHEM CORP, NITROGEN DIV (P)
Atlas Chem Industries, Chems Div (P)
C P Chemical Solvents
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
►EASTMAN CHEM PRODUCTS (P)
►JEFFERSON CHEM CO (P)
►KAY-FRIES CHEMS (P)
Kessler Chem Co (P)
Mercury Chem Corp (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
C P Hall Co (P)
Montrose Chem Co (P)
Reichhold Chems, Inc (P)

PLASTICIZERS, EPOXY
Argus Chem Corp (P)
Baker Castor Oil Co (P)
►CELANESE CHEM CO (P)
Degen Oil & Chem Co (P)
Emery Industries (P)
General Mills, Chem Div (P)
Hatco Chem Div (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
Pittsburgh Chem Co (P)
Rohm & Haas Co (P)
Stoney-Mueller, Inc
Synthetic Chems (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
Advance Solvents & Chem Div (P)
Alkydol Labs (P)
Archer-Daniels-Midland Co (P)
E F Drew & Co (P)
FMC Corp, Chems & Plastics Div (P)
Montrose Chem Co (P)
Reichhold Chems, Inc (P)
Thiokol Chem Corp (P)
Thompson Chem Co (P)

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See company directory for addresses

PLASTICIZERS

- PX-104 DiButyl Phthalate
- PX-108 Dilso Octyl Phthalate
- PX-114 Decyl Butyl Phthalate
- PX-118 IsoOctyl Decyl Phthalate
- PX-120 Dilso Decyl Phthalate
- PX-126 DiTriDecyl Phthalate
- PX-138 DiOctyl Phthalate
- PX-314 N-Octyl N-Decyl Phthalate
- PX-914 Butyl Octyl Phthalate
- PX-208 Dilso Octyl Adipate
- PX-212 N-Octyl N-Decyl Adipate
- PX-220 Dilso Decyl Adipate
- PX-238 DiOctyl Adipate
- PX-404 DiButyl Sebacate
- PX-438 DiOctyl Sebacate
- PX-800 Epoxy Polymeric
- PX-860 Epoxy Monomeric
- PX-917 TriCresyl Phosphate

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tris(beta-chloroethyl) phosphate
CELLUFLEX FR-2
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Mol-Rez Div (P)
Morningstar-Paisley, Inc (P)
National Polychems (P)
National Starch & Chem Corp (P)
Naugatuck Chem Div (P)
Plastics Engrg Co (P)
Polyvinyl Chems (P)
Reichhold Chems, Inc (P)
Rubber Corp of America (P)
Solar Chem Corp (P)
Thompson Chem Co (P)
Trancoa Chem Corp (P)
Union Carbide Plastics Co (P)
Wica Chems (P)

PLASTISOLS see Organosols

PLATING CHEMICALS see Electroplating Salts & Solutions

PLATINIC CHLORIDE see Acid, Chloroplatinic

PLATINUM, METAL

Fairmount Chem Co (P)
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
L E Simmons Refining Co (P)
Var-Lac-Oid Chem Co (P)

J Bishop & Co Platinum Works (P)
Bram Metallurgical-Chem Co (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)
Williams Gold Refining Co (P)

PLATINUM SALTS

City Chem Corp
Fairmount Chem Co (P)
Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp (P)
L E Simmons Refining Co (P)

Bram Metallurgical-Chem Co (P)
J Bishop & Co Platinum Works (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)
Xanthippe Chems (P)

PLUMBAGO see Graphite

PLUMBO-PLUMBIC OXIDE see Lead Oxide, Red

POLISHES—FLOOR, METAL, FURNITURE, ETC.

American Oil & Supply Co (P)
Concord Chem Co (P)
Fine Organics (P)
Sherwin-Williams Co (P)
Trio Chem Works (P)
Wallach-Gracer Export Corp
►WYANDOTTE CHEMS CORP (P)

Ampion Corp (P)
Axel Plastics Research Labs (P)
Barco Chem Products (P)
Borden Chem Co (P)
Chemical Compouunding Corp (P)
Columbia Wax Co (P)
Davies-Young Soap Co (P)
DuBois Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Fuld Bros (P)
Monroe Sander Corp (P)
Oil-Kraft, Inc (P)
Pierce & Stevens Chem (P)
Uncle Sam Chem Co (P)

POLYACRYLAMIDE

Stein Hall & Co (P)

American Cyanamid Co, Market Development Dept (P)

POLYBUTADIENE

Goodyear Tire & Rubber Co, Chem Div (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

POLYBUTENES (Polyisobutylenes)

Amoco Chems Corp (P)
Cosden Petroleum Corp (P)
Fallek Chem Corp
Kraft Chem Co
Miller-Stephenson Chem Co (P)
Oronite Div (P)
American Molding Powder & Chem Corp (P)
Catalin Corp of America (P)
W R Grace & Co, Polymer Chems Div (P)
Interplastics Corp (P)
Koppers Co, Plastics Div (P)
Phillips Chem Co (P)
Spencer Chem Co (P)
Union Carbide Plastics Co (P)

POLYBUTYLENE GLYCOLS

Dow Chem Co (P)

POLYEPICHLOROHYDRIN

Dow Chem Co (P)

POLYETHYLENE, HIGH DENSITY

►ALLIED CHEM CORP, PLASTICS DIV (P)
►BAIRD CHEM INDUSTRIES, INC (P)
►CELANESE POLYMER CO (P)
►EASTMAN CHEM PRODUCTS (P)
Gering Plastics (P)
Hercules Powder Co (P)
►MONSANTO CHEM CO (P)
American Molding Powder & Chem Corp (P)
Catalin Corp of America (P)
W R Grace & Co, Polymer Chems Div (P)
Interplastics Corp (P)
Koppers Co, Plastics Div (P)
Phillips Chem Co (P)
Spencer Chem Co (P)
Union Carbide Plastics Co (P)

POLYETHYLENE, LOW DENSITY

►ALLIED CHEM CORP, PLASTICS DIV (P)
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
►CELANESE POLYMER CO (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
Fallek Chem Corp
Gering Plastics (P)
►MONSANTO CHEM CO (P)
►SHELL CHEM CO
J U Starkweather Co

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HERCULES

Hi-fax®
high density polyethylene

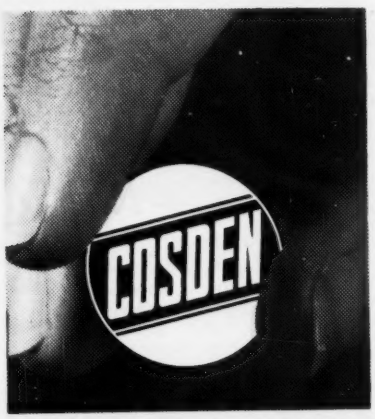
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polypropylene

Penton®
chlorinated polyether



HERCULES POWDER COMPANY
INCORPORATED
Hercules Tower, 910 Market Street, Wilmington 99, Del.
GD 61-1





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Cosden Polyvis is available in a number of standard viscosity grades.

		Viscosity at 210° SSU
Polyvis	3	375
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"	10	1010
"	30	3000
"	200	19000

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Foreign Affiliate
California Chemical International, Inc.
San Francisco, Geneva, Panama, Sao Paulo, Tokyo

INDOPOL

Polybutenes

Saybolt Viscosities from 100 sec. at 100° F. to 20,000 sec. at 210° F.

AMOCO CHEMICALS

AMOCO CHEMICALS CORPORATION
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American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Faliek Chem Corp
►JEFFERSON CHEM CO (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
J U Starkweather Co
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Applied Plastics Div (P)
Goodrich-Gulf Chems (P)
C P Hall Co (P)
Nalco Chem Co (P)

POLYETHYLENE GLYCOL CHLORIDES

Union Carbide Chems Co (P)

POLYETHYLENE GLYCOL DI(2-ETHYLHEXOATE)

►CHEMICAL SOLVENTS, INC
Kessler Chem Co (P)
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

Hodag Chem Corp (P)

POLYETHYLENE GLYCOL OLEATE

Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
Carlisle Chem Works (P)
Colloids, Inc (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Eastern Color & Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Reilly-Whiteman-Walton Co (P)

POLYETHYLENE GLYCOL PHTHALATE

Applied Science Labs (P)
Kessler Chem Co (P)

POLYETHYLENE GLYCOL STEARATE

Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Kessler Chem Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
Beacon Chem Industries (P)
Carlisle Chem Works (P)
Colgate-Palmolive Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Reilly-Whiteman-Walton Co (P)

POLYISOBUTYLENES see Polybutenes

POLYISOCYANATES see Resins, Isocyanate

POLYMYXIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

POLYOLS

►WYANDOTTE CHEMS CORP (P)

POLYOXYALKYLENE GLYCOLS

►JEFFERSON CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

C P Hall Co (P)
Nalco Chem Co (P)
Stepan Chem Co, Industrial Chems Div (P)

POLYOXYETHYLENE ESTERS

Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Sole Chem Corp
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Reilly-Whiteman-Walton Co (P)
Stepan Chem Co, Industrial Chems Div (P)

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MICHIGAN ALKALI DIVISION
WYANDOTTE, MICHIGAN

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ORGANICS DIVISION

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Hercules Powder Co (P)
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►ALLIED CHEM CORP, NATIONAL CHEM DIV (P)
Dow Chem Co (P)
Hercules Powder Co (P)
►JEFFERSON CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)
C P Hall Co (P)
Nalco Chem Co (P)

POLYSACCHARIDES, SYNTHETIC

K & K Labs (P)

POLYSTYRENE

►BAIRD CHEM INDUSTRIES, INC
Cosden Petroleum Corp (P)
Dow Chem Co (P)
Fallek Chem Corp
Gering Plastics (P)
►MONSANTO CHEM CO
►SHELL CHEM CO (P)
Atlantic Chem Corp (P)
Borden Chem Co (P)
Catalin Corp of America (P)
W R Grace & Co, Polymer Chems Div (P)
Interplastics Corp (P)
Koppers Co, Plastics Div (P)
Nixon-Baldwin Chems (P)
Solar Chem Corp (P)
Union Carbide Plastics Co (P)

POLYSTYRENE EMULSIONS

Acme Shellac Products Co (P)
Bareco Wax Co (P)
►NOPCO CHEM CO (P)
Adhesive Products Corp (P)
B B Chem Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
U B S Chem Corp (P)
Eastern Color & Chem Co (P)
Koppers Co, Plastics Div (P)
Midland Adhesive & Chem Corp (P)
Polyvinyl Chems (P)

POLYSTYRENE GLYCOLS

Dow Chem Co (P)

POLYTHENES see Polyethylene

POLYVINYL ACETATE

►AIR REDUCTION CHEM & CARBIDE CO (P)
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, ELECTROCHEMS DEPT (P)
Hostachem Corp
►McKESSON & ROBBINS, CHEM DEPT
Shawinigan Resins Corp (P)
Stein Hall & Co (P)
Tar Residuals
Adhesive Products Corp (P)
Borden Chem Co (P)
Colloids, Inc (P)
Dewey & Almy Chem Div (P)
Emkay Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
Polyvinyl Chems (P)

POLYVINYL ACETATE EMULSION

►AIR REDUCTION CHEM & CARBIDE CO
Burtonite Co (P)

(Continued)

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A tetra-functional series of polyethers.

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SOLVAY®

CAUSTIC POTASH

MERCURY CELL • TECHNICAL
Liquid • Flake
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Soda Ash • Caustic Soda • Calcium Chloride
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POLYVINYL ACETATE EMULSION (continued)

►CELANESE CHEM CO (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Hostachem Corp
►NOPCO CHEM CO (P)
Shawinigan Resins Corp (P)
Smith Chem & Color Co
Stein Hall & Co (P)
Vaichem (P)

A Adler & Son (P)
Amalgamated Chem Corp (P)
Armour Alliance Industries (P)
Arnold, Hoffman & Co (P)
B B Chem Co (P)
Borden Chem Co (P)
Burkart-Schier Chem Co (P)
Clarkson Labs (P)
DeSoto Chem Coatings (P)
Dewey & Almy Chem Div (P)
Emkay Chem Co (P)
Benjamin Foster Co (P)
Franklin Glue Co (P)
H B Fuller Co (P)
B F Goodrich Chem Co (P)
Hart Products Corp (P)
Jones-Dabney Co (P)
Manhattan Adhesives Corp (P)
Morningstar-Paisley, Inc (P)
National Casein Co (P)
National Starch & Chem Corp (P)
Reichhold Chem, Inc (P)
Refined Products Co (P)
Scher Bros (P)
Scholler Bros (P)
R T Vanderbilt Co (P)
Wica Chems (P)

POLYVINYL, ALCOHOL, see Alcohol, Polyvinyl

POLYVINYL BUTYRAL

Hostachem Corp
►MONSANTO CHEM CO (P)
Shawinigan Resins Corp (P)

POLYVINYL CHLORIDE (Polychloroethylene, Polychloroethane)

►BAIRD CHEM INDUSTRIES, INC
Diamond Alkali Co (P)
Dow Chem Co (P)
M W Hardy & Co
International Selling Corp
►MONSANTO CHEM CO (P)
Stein Hall & Co (P)

Borden Chem Co (P)
Escambia Chem Corp (P)
Firestone Plastics Co (P)
J P Frank Chem Corp (P)
General Tire & Rubber Co, Chem Div (P)
B F Goodrich Chem Co (P)
Interplastics Corp (P)
National Starch & Chem Corp (P)
Naugatuck Chem Div (P)
Rubber Corp of America (P)
Thompson Chem Co (P)

POLYVINYL FORMAL

Hostachem Corp
Shawinigan Resins Corp (P)
Borden Chem Co (P)

POLYVINYLIDINE CHLORIDE

Dow Chem Co (P)
Borden Chem Co (P)
Nixon-Baldwin Chems (P)
National Starch & Chem Corp (P)

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Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Polyvinyl Chems (P)

POLYVINYL STEARATE

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J P Frank Chem Corp (P)

PONDEROUS MAGNESIA see Magnesium Oxide

PORCELAIN CLAY see Clays, China

POTASH see Potassium Carbonate

POTASH, CAUSTIC

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co
Antara Chems Div (P)
B T Chemco
►J T BAKER CHEM CO (P)
Bergstrom Trading Co
►BERKSHIRE CHEMS INC
Chemical Mfg Co
Diamond Alkali Co (P)
Dow Chem Co (P)
Faesy & Besthoff
Fisher Scientific Co (P)
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Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Industrial Chem & Dye Co
Interstate Chem Corp
►INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV (P)
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Lotte Chem Corp
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Millmaster Chem Corp (P)
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
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William E Phillips Inc
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Prior Chem Corp
Opalco Lab
Republic Chem Corp
Tar Residuals
Thompson-Hayward Chem Co
Joseph Turner & Co
Washine Chem Corp (P)
Welch, Holme & Clark Co

POTASH, SULFURATED

Mallinckrodt Chem Works (P)

POTASH, WATERGLASS see Potassium Silicate

POTASSIUM ACETATE (Diuretic Salt)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
J T BAKER CHEM CO (P)
Filo Color & Chem Corp (P)
Fisher Scientific Co
J F Henry Chem Co
Mallinckrodt Chem Works (P)
Millmaster Chem Corp (P)
Chas Pfizer & Co (P)
Union Carbide Chems Co (P)

POTASSIUM ACID ACETYLENE DICARBOXYLATE

Kaplop Labs (P)

POTASSIUM ACID SALTS see Potassium Bi-salts

POTASSIUM ACID OXALATE see Potassium Binoxalate

POTASSIUM ALGINATE see also Algin

Creda, Inc
Kelco Co (P)
Edward Mendell Co (P)

POTASSIUM p-AMINOBENZOATE

Gane's Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Arenol Chem Corp (P)
B L Lemke & Co (P)
Polychemical Labs (P)

POTASSIUM AMMONIUM TARTRATE

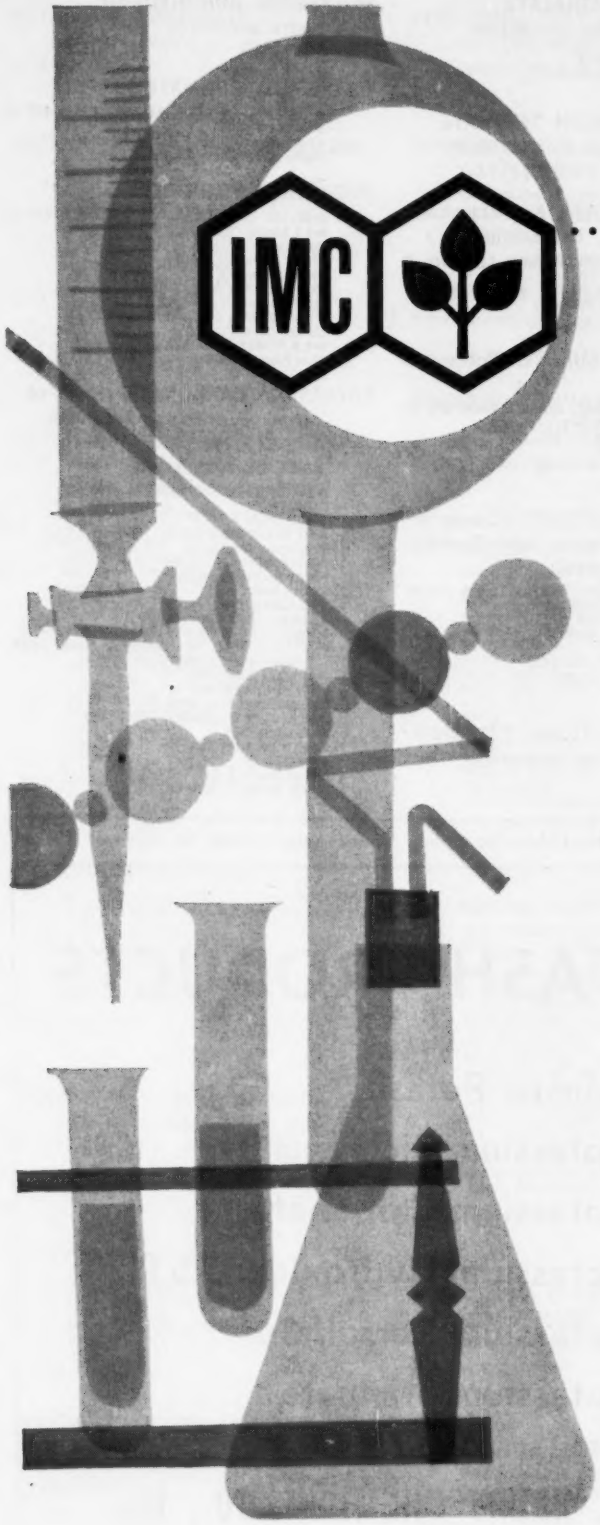
City Chem Corp (P)
Fisher Scientific Co (P)

POTASSIUM ANILINOACETATE see N-Phenylglycine, Potassium Salt

POTASSIUM ARSENATE

City Chem Corp (P)

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... for all industrial uses

LIQUID — Iron-free, a clear, water-white solution of 45-50%. In tank cars and in returnable and non-returnable 675-lb. drums.

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IMC CARBONATE OF POTASH
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IMC HYDROFLUOSILICIC ACID
... for water fluoridation and industrial disinfecting

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IC-2-2

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IMC

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POTASSIUM AURICHLORIDE see Gold-Potassium Chloride

POTASSIUM BIBORATE see Potassium Tetraborate

POTASSIUM BICARBONATE (Potassium Acid Carbonate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Fisher Scientific Co (P)
Howe & French
Mallinckrodt Chem Works (P)
Tar Residuals
Hummel Chem Co (P)

POTASSIUM BICHROMATE see Potassium Dichromate

POTASSIUM BIFLUORIDE (Potassium Acid Fluoride)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BERKSHIRE CHEMS INC
►HARSHAW CHEM CO (P)
Interstate Chem Corp

POTASSIUM BIIODATE

City Chem Corp (P)
Fisher Scientific Co (P)
Andor Labs (P)

POTASSIUM BINOXALATE (Potassium Acid Oxalate, Salt of Sorrel, Essential Salt of Lemon, Sal Acetosella)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
Andor Labs (P)

POTASSIUM BIPHTHALATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)

POTASSIUM-BISMUTH TARTRATE

►S B PENICK & CO, NYQ CHEM DIV (P)
RSA Corp (P)

POTASSIUM BISULFATE (Potassium Acid Sulfate, Sal Enixium)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)

POTASSIUM m-BISULFITE (Potassium Pyrosulfite)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstoline Corp
►J T BAKER CHEM CO (P)
Philip A Hunt Co (P)
Mallinckrodt Chem Works (P)

POTASSIUM BITARTRATE (Cream of Tartar, Potassium Acid Tartrate, Depurated Tartar)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
Fisher Scientific Co (P)
Mallinckrodt Chem Works (P)
Chas Pfizer & Co (P)
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Chas Pfizer & Co (P)
Revelli Chems, Inc
►STAUFFER CHEM CO (P)

POTASSIUM STANNATE

►HARSHAW CHEM CO
J F Henry Chem Co
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)

POTASSIUM STEARATE

Beacon Chem Industries (P)
E F Drew & Co (P)
Leffingwell Chem Co (P)
Shepherd Chem Co (P)
Swift & Co, General Soap Dept (P)

POTASSIUM SUCCINATE

City Chem Corp (P)
Mona Industries (P)

POTASSIUM SULFATE (Salt of Lemery, Arcanum Duplicatum, Tartarus Vitriolatus)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►AMERICAN POTASH & CHEM CORP (P)
H J Baker & Bro
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Croton Chem Corp
Fisher Scientific Co (P)
►HARSHAW CHEM CO
►INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Smith-Douglass Co
Thompson-Hayward Chem Co
Potash Co of America (P)

POTASSIUM SULFITE

►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)

POTASSIUM SULFOCYANIDE see Potassium Thiocyanate

POTASSIUM SULFONATE

►SONNEBORN CHEM & REFINING CORP (P)
Pilot Chem Co of California (P)

POTASSIUM-TANTALUM FLUORIDE

Kawecki Chem Co (P)
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

POTASSIUM TARTRATE (Tartarus, Sal Vegetal, Soluble Tartar)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
European Chem Co
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Sole Chem Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

TC TENNESSEE CORPORATION

POTASSIUM SILICOFLUORIDE

ANALYSIS

K_2SiF_6 .....Min. 98.0%
F .....Min. 50.7%
H_2O .....Max. 0.5%
Fe .....Max. 0.005%
Na .....Max. 0.09%

100 pound multiwall bags
125 pound LeverPak drums
400 pound LeverPak drums

For further information
Phone JAckson 3-5024.

TENNESSEE CORPORATION
612-629 Grant Building, Atlanta 3, Georgia

POTASSIUM SILICOFLUORIDE

SODIUM SILICOFLUORIDE

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Fisher Scientific Co
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Matheson Coleman & Bell (P)

POTASSIUM TETRABORATE (Potassium Borate, Potassium Biborate)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Sole Chem Corp (P)
U S Borax (P)

POTASSIUM THIOCYANATE (Potassium Sulfocyanide, Potassium Rhodanide)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co
Halby Chem Co
Mallinckrodt Chem Works (P)

POTASSIUM TITANATE

►DU PONT, PIGMENTS DEPT (P)
►TITANIUM ALLOY MFG DIV (P)

POTASSIUM TITANIUM FLUORIDE

see Titanium Potassium Fluoride

POTASSIUM TOLUENESULFONATE

►BAIRD CHEM INDUSTRIES, INC
Nease Chem Co (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)

Stepan Chem Co, Industrial Chems Div (P)

POTASSIUM TRIPOLYPHOSPHATE

►FMC CORP, MINERAL PRODUCTS DIV (P)
►VICTOR CHEM WORKS (P)

ZIRCONIUM FLUORIDES

Potassium Zirconium Fluoride

Sodium Zirconium Fluoride

Calcium Zirconium Fluoride

Ammonium Zirconium Fluoride

KAWECKI CHEMICAL COMPANY INCORPORATED
220 East 42nd Street New York 17, N.Y.

POTASSIUM XANTHATE (Potassium Ethyldithiocarbonate, Potassium Ethyl Xanthogenate, Potassium Xanthogenate)

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Dow Chem Co (P)
Indussa Corp

POTASSIUM XANTHOGENATE

see Potassium Xanthate

POTASSIUM XYLENESULFONATE

►BAIRD CHEM INDUSTRIES, INC
Nease Chem Co (P)
Tennessee Corp (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)

POTASSIUM ZIRCONIUM FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BERKSHIRE CHEMS INC
Kawecki Chem Co (P)

POTATO SPIRIT

see Oil, Fusel

POWDERS, METALLIC

see Metals, Powdered

PRASEODYMIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)

PRASEODYMIUM OXIDE

Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Oid Chem Co (P)

Research Chems (P)

PRASEODYMIUM SALTS

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

PREDNISOLONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Henley & Co
Kolon Trading Co
Merck Chem Div (P)
►R W GREEFF & CO

Biorganic Labs (P)
Glogau & Co (P)
Roselle Labs (P)

PREDNISONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
►R W GREEFF & CO
Henley & Co
Kolon Trading Co
Merck Chem Div (P)

Biorganic Labs (P)
Glogau & Co (P)
Roselle Labs (P)

PREGNENOLONE

General Mills, Chem Div

Biorganic Labs (P)
Roselle Labs (P)

PRESERVATIVES, FOODS

Croton Chem Corp (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Goldschmidt Chem Corp (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Merck Chem Div (P)
►MILES CHEM CO (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Stein Hall & Co (P)
Union Carbide Chems Co (P)
Washine Chem Corp (P)

Fermco Labs (P)
Guardian Chem Corp (P)
Halby Products Co (P)
Heyden Newport Chem Corp (P)

PRESERVATIVES, PAINT

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
W A Cleary Corp (P)
Dow Chem Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Nuodex Chem Co (P)
Sindar Corp
Smith Chem & Color Co (P)
►WITCO CHEM CO (P)

Guardian Chem Corp (P)
Heyden Newport Chem Corp (P)
Moran Paint Co (P)
Norton Chem Works (P)
Quigley Co (P)
Scientific Chems (P)
Troy Chem Co (P)

PRESERVATIVES, WOOD

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Chemical Affiliates (P)
W A Cleary Corp (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Metalsalts Corp (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
Nuodex Products Co (P)
Oronite Div (P)
Trio Chem Works (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Chapman Chem Co (P)
Chemical Compounding Corp (P)
Colorado Fuel & Iron Corp (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
Eureka Chem Co (P)
Ferro Chem Div (P)
McGean Chem Co (P)
Miller Products Co (P)
Norton Chem Works (P)
Quigley Co (P)
Reichhold Chems, Inc (P)
Scientific Chems (P)
Socony Mobil Oil Co (P)
Fred'k A Stresen-Reuter Inc (P)
Triangle Chem Co (P)
Troy Chem Co (P)
Whitmoyer Labs (P)
R T Vanderbilt Co (P)
York Chem Co (P)

PRESPOTTERS, DRY-CLEANING

►PEERLESS OIL & CHEM CORP

Afta Solvents Corp (P)
Clarkson Labs (P)
Davies-Young Soap Co (P)
Dixo Co (P)
B R Elk & Co (P)
Wallerstein Co (P)
Wye Industries (P)

PREVENTIVES, RANCIDITY

Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
►MONSANTO CHEM CO (P)
Sindar Corp

Carlisle Chem Works (P)
Catalin Corp of America (P)
Guardian Chem Corp (P)
Halby Products Co (P)
Heyden Newport Chem Corp (P)
Mona Industries (P)
Pro-Chem, Inc (P)
Joseph Turner & Co (P)

PREVENTIVES, RUST

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
►BRYTON CHEM CO (P)
Diamond Alkali Co (P)

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►DU PONT, PETROLEUM CHEMS DIV (P)
Esso Standard Oil (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
General Elec Co, Silicone Products (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Oronite Div (P)
Patent Chems (P)
►PHILADELPHIA QUARTZ CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO)
►WYANDOTTE CHEMS CORP (P)

Ampion Corp (P)
Bell-Ray Chem Corp (P)
Carboline Co (P)
Ceresit Corp (P)
Chemical Coatings & Engrg Co (P)
Clarkson Labs (P)
Continental Coatings Corp (P)
Crescent Oil Co (P)
Dominion Products (P)
E F Drew & Co (P)
DuBois Co (P)
Emkay Chem Co (P)
Eureka Chem Co (P)
Foremost Food & Chem Co (P)
Franklin Oil Corp (P)
Hagan Chems & Controls (P)
Heyden Newport Chem Corp (P)
E F Houghton & Co (P)
Lehigh Chem Co (P)
Mona Industries (P)
Nalco Chem Co (P)
Norton Chem Works (P)
Oakite Products (P)
Pennsylvania Refining Co (P)
Pro-Chem, Inc (P)
Quigley Co (P)
Raybo Chem Co (P)
Reilly-Whiteman-Walton Co (P)
G Whitfield Richards (P)
Rust-Oleum Corp (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Titan Chem Products (P)
Arthur G Trask Co (P)
Tretolite Co Div (P)
Troy Chem Co (P)
Varnitan Co (P)
R T Vanderbilt Co, Specialties Dept (P)
White & Bagley Co (P)
Wye Industries (P)

PREVENTIVES, SLIME

►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
Antara Chems Div (P)
►ARMOUR INDUSTRIAL CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Metalsalts Corp (P)
►MONSANTO CHEM CO (P)
Sindar Corp (P)
Treplow Chem Co (P)
►WYANDOTTE CHEMS CORP (P)

Amalgamated Chem Corp (P)
Ampion Corp (P)
Barlow Chem Corp (P)
Carlisle Chem Works (P)
Dominion Products (P)
Emkay Chem Co (P)
Foremost Food & Chem Co (P)
Franklin Oil Corp (P)
Guardian Chem Corp (P)
Hagan Chems & Controls (P)
Heyden Newport Chem Corp (P)
Norton Chem Works (P)
Oakite Products (P)
Pro-Chem, Inc (P)
Troy Chem Co (P)
R T Vanderbilt Co, Specialties Dept (P)

PRIMERS, LACQUER

Better Finishes & Coatings (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Sherwin-Williams Co (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
Chemical Coatings & Engrg Co (P)
Duralac Chem Co (P)
Krylon, Inc (P)
Lacquer Specialties (P)
Interchem Corp, Finishes Div (P)
L Carlton Mertz Co (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
National Chem & Plastics Co (P)
Pierce & Stevens Chem (P)
Pyroxylin Products (P)
Raffi & Swanson (P)
Socony Mobil Oil Co (P)

PRIMERS, PAINT, METAL

Acme Shellac Products Co (P)
Better Finishes & Coatings (P)
Miller-Stephenson Chem Co (P)
National Lead Co (P)
Sherwin-Williams Co (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Applied Plastics Div (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
Atlas Mineral Products Co (P)
Bell-Ray Chem Corp (P)
Borden Chem Co (P)
Carboline Co (P)
Ceresit Corp (P)
Chemical Coatings & Engrg Co (P)
Continental Coatings Corp (P)
Crowley Tar Products Co (P)
DeSoto Chem Coatings (P)
Duralac Chem Corp (P)
Heresite & Chem Co (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Kaysing Corp (P)
Krylon, Inc (P)
Lacquer Specialties (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
National Chem & Plastics Co (P)
Prufcoat Labs (P)
Quigley Co (P)
Reliance Chem Co (P)
Rowe Products, Inc (P)
Rust-Oleum Corp (P)
Socony Mobil Oil Co (P)
Subox, Inc (P)
Sumco Products (P)

PRIMERS, PAINT, WOOD

Acme Shellac Products Co (P)
Better Finishes & Coatings (P)
National Lead Co (P)
Sherwin-Williams Co (P)

Adhesive Products Corp (P)
Allied Finishing Specialties Co (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
Borden Chem Co (P)
Carboline Co (P)
Chemical Coatings & Engrg Co (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
DeSoto Chem Coatings (P)
Duralac Chem Corp (P)
Heresite & Chem Co (P)
Inertol Co (P)
Interchem Corp, Finishes Div (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Monroe Sander Corp (P)
Moran Paint Co (P)
National Chem & Plastics Co (P)
Pierce & Stevens Chem (P)
Quigley Co (P)
Reliance Chem Co (P)
Rust-Oleum Corp (P)
Socony Mobil Oil Co (P)
William Zinsser & Co (P)

PRIMERS, ROOFING

Better Finishes & Coatings (P)
►MONSANTO CHEM CO (P)

Adhesive Products (P)
Arco Co (P)
Continental Coatings Corp (P)
Borden Chem Co (P)
Coopers Creek Chem Corp (P)
Socony Mobil Oil Co (P)

PRINTERS' ACETATE see Aluminum Acetate, Basic

PRIVATE FORMULAS—see also Services Section, Private Formula Services

American Oil & Supply Co (P)
Bonewitz Chems (P)
Davies Nitrate Co (P)
Dow Chem Co (P)
Fine Organics (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
►S B PENICK & CO (P)
Scholle Chem Corp (P)
Thompson-Hayward Chem Co (P)
Treplow Chem Co (P)
Trio Chem Works (P)

Adhesive Products Corp (P)
Afta Solvents Corp (P)
Ampion Corp (P)
Arol Chem Products (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Chemical Coatings & Engrg Co (P)
Coopers Creek Chem Corp (P)
Dixo Co (P)
B R Elk & Co (P)
Essential Chems Co (P)
Kaysing Corp (P)
Krylon, Inc (P)
Lorenz Chem Co (P)
L Carlton Mertz Co (P)
Midland Adhesive & Chem Corp (P)
Milbrew Co (P)
Monroe Sander Corp (P)
Nalco Chem Co (P)
Pace Inc (P)
Pierce & Stevens Chem (P)
Premium Chems (P)
Woodbury Chem Co (P)

PROCAINE BASE

►ABBOTT LABS (P)
►R W GREEFF & CO
Metalsalts Corp (P)
RSA Corp (P)

B L Lemke & Co (P)

PROCAINE BORATE

Metalsalts Corp (P)
RSA Corp (P)

B L Lemke & Co (P)

PROCAINE HYDROCHLORIDE (p-Aminobenzoyldiethylaminoethanol Hydrochloride, Ethocaine, Novocaine, Syncaine Kerocaine)

►ABBOTT LABS (P)
J H DeLamar & Son
►R W GREEFF & CO
Mallinckrodt Chem Works (P)
Metalsalts Corp (P)
RSA Corp (P)

Gamma Chem Corp (P)
B L Lemke & Co (P)

PROFLAVINE

►ACETO CHEM CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►METAL & THERMIT CORP (P)

PROFLAVINE HYDROCHLORIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

PROGESTERONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
General Mills, Chem Div
►R W GREEFF & CO

Roselle Labs (P)

PROLINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

PROPANE

►MONSANTO CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

Shell Oil Co (P)
United Fuel Gas Co (P)

1,2-PROPANEDIOL see Propylene Glycol

1,3-PROPANEDIOL see Trimethylene Glycol

PROPANETRIOL see Glycerine

1-PROPANOL see Alcohol, n-Propyl

2-PROPANOL see Alcohol, Isopropyl

2-PROPANONE see Acetone

PROPARGYL BROMIDE

Antara Chems Div (P)
Farchan Research Labs (P)

PROPARGYL CHLORIDE

Antara Chems Div (P)
Farchan Research Labs (P)

PROPELLENTS

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)
►STAUFFER CHEM CO (P)
Union Carbide Chems Co (P)

Applied Plastics Div (P)
Borden Chem Co (P)
Thiokol Chem Corp (P)

PROPENAL see Acrolein

PROPENE see Propylene

PROPENENITRILE see Acrylonitrile

2-PROPEN-1-OL see Alcohol, Allyl

PROPENYLCARBINOL see Alcohol, Crotyl

Celanese

SOLVENTS

NORMAL PROPYL ACETATE
NORMAL BUTYL ACETATE
NORMAL PROPYL ALCOHOL
NORMAL BUTYL ALCOHOL
METHANOL
ACETONE
ISOBUTYL ALCOHOL
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A Division of
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DEPT. 561, 180 MADISON AVE., N.Y.

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CLEVELAND • DETROIT • HOUSTON • LOS ANGELES
PALO ALTO • ST. LOUIS • WILMINGTON

DOW

PROPYLENE GLYCOL

Industrial and U.S.P.
Dipropylene Glycol
Tripropylene Glycol
Polypropylene Glycols

THE DOW CHEMICAL COMPANY
Midland, Michigan

DOW

Sales offices in principal cities

β-PROPIOLACTONE

►CELANESE CHEM CO (P)
Farchan Research Labs (P)

PROPIOLIC ACID ESTERS

Aldrich Chem Co (P)
Kaplan Labs (P)

PROPIONALDEHYDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►EASTMAN CHEM PRODUCTS (P)
Union Carbide Chems Co (P)
Kaplan Labs (P)

PROPIONE see Diethyl Ketone

PROPIONIC ANHYDRIDE

►CELANESE CHEM CO (P)
►EASTMAN CHEM PRODUCTS (P)
Union Carbide Chems Co (P)

PROPIONIC ESTER see Ethyl Propionate

PROPIONITRILE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

PROPIONYL CHLORIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►TRUBEK LABS (P)
Fries Bros (P)

PROPIOPHENONE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►ELI LILLY & CO, ELANCO DIV (P)
Florasynth Labs
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►TRUBEK LABS (P)

n-PROPYL ACETATE

American Mineral Spirits Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
DeMert & Dougherty, Inc
Fritzsche Bros (P)
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc

n-PROPYL ACID PHOSPHATE

Kelker Chem Corp (P)
►MONSANTO CHEM CO (P)

n-PROPYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp

PROPYL BENZENESULFONATE

Nease Chem Co (P)

n-PROPYL BROMIDE

►ACETO CHEM CO (P)
►BENZOL PRODUCTS CO (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
RSA Corp (P)
Heresite & Chem Co (P)

PROPYLCARBINOL see Alcohol, n-Butyl

n-PROPYL CHLORIDE

►ACETO CHEM CO (P)
Eastern Chem Corp (P)
RSA Corp (P)

PROPYLENE (Propene)

►ENJAY CHEM CO (P)
►GULF OIL CORP (P)
►MONSANTO CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)
►SINCLAIR PETROCHEMS (P)
Petroleum Chems (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
Texaco Inc (P)
Texas Butadiene & Chem Corp (P)

PROPYLENE ALDEHYDE see Crotonaldehyde

PROPYLENE CARBONATE

Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
Union Carbide Chems Co (P)

PROPYLENE CHLOROHYDRIN (Chloroisopropyl Alcohol, Chloropropanol)

►R W GREEFF & CO
RSA Corp (P)
Fries Bros (P)

PROPYLENE DIAMINE

Union Carbide Chems Co (P)

PROPYLENE DIBROMIDE (1,2-Dibromopropane)

Dow Chem Corp (P)

PROPYLENE DICHLORIDE (1,2-Dichloropropane)

American Mineral Spirits Co
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Tect, Inc
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

PROPYLENE GLYCOL (Methyl Ethylene Glycol, Propanediol)

►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Fallek Chem Corp
Florasynth Labs
J F Henry Chem Co
Howe & French
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
J U Starkweather Co

See company directory for addresses (P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Washine Chem Corp
►WYANDOTTE CHEMS CORP (P)

C P Hall Co (P)

PROPYLENE GLYCOL MONOCOCATE

Kessler Chem Co (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
Colgate-Palmolive Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

PROPYLENE GLYCOL MONOLAURATE

Kessler Chem Co (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)

PROPYLENE GLYCOL MONORICINOLEATE

Baker Castor Oil Co (P)
Kessler Chem Co (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

PROPYLENE GLYCOL MONOSTEARATE

Goldschmidt Chem Corp (P)
Kessler Chem Co (P)
Process Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Beacon Chem Industries (P)
Colgate-Palmolive Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Mathe Chem Co (P)

PROPYLENE LAURATE

Beacon Chem Industries (P)
C P Hall Co (P)

PROPYLENE OXIDE (Epoxypropane)

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►JEFFERSON CHEM CO (P)
E & F King & Co
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

n-PROPYL GALLATE

►EASTMAN CHEM PRODUCTS (P)
Fine Organics (P)
Goldschmidt Chem Corp (P)

Heyden Newport Chem Corp (P)

PROPYL p-HYDROXYBENZOATE

►ACETO CHEM CO
Goldschmidt Chem Corp (P)
►R W GREEFF & CO
Washine Chem Corp (P)

Heyden Newport Chem Corp (P)
Fries Bros (P)
Polychemical Labs (P)

n-PROPYL IODIDE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
Gallard-Schlesinger Chem Mfg Corp (P)
RSA Corp (P)

Andor Labs (P)
Brothers Chem Co (P)

n-PROPYL ISOCYANATE

Carwin Co (P)

n-PROPYL MAGNESIUM BROMIDE

see Grignard Reagents

n-PROPYL MERCAPTAN

Pennsalt Chems Corp (P)
Phillips Petroleum Co, Special Products Div (P)

PROPYL OLEATE

Emery Industries (P)
Kessler Chem Co (P)
M W Parsons-Plymouth (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Emkay Chem Co (P)
Wica Chems (P)

PROPYL STEARATE

Kessler Chem Co (P)
M W Parsons-Plymouth (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Emkay Chem Co (P)

PROPYL THIOURACIL

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Eastern Chem Corp (P)
Specific Pharmaceuticals, Chemetron Corp (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

American Cyanamid Co, Fine Chems Dept (P)
Guard Chem Co (P)
Polychemical Labs (P)

1-PROPYNE

see Methyl Acetylene

2-PROPYN-1-OL

see Alcohol, Propargyl

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Sheffield Chem Div (P)
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Flo Color & Chem Corp (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Tar Residuals

California Ink Co (P) Standard Ultramarine & Color Co (P)
Imperial Color Chem & Paper Dept (P) Western Dry Color Co (P)
Reichhold Chems, Inc (P)

PSEUDOCUMENE (1,2,4-Trimethylbenzene)

►ACETO CHEM CO (P)
Aldrich Chem Co (P)
Eastern Chem Corp (P)
►ENJAY CHEM CO (P)
Phillips Petroleum Co, Special Products Div (P)

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►ACETO CHEM CO (P)
Samincorp

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Meer Corp (P)

Hathaway Allied Products (P) Prentiss Drug & Chem Co (P)

PUCE see Lead Peroxide

PUMEX see Pumice

PUMICE

Charles B Chrystal Co
►HARSHAW CHEM CO
►McKESSON & ROBBINS, CHEM DEPT
Revelli Chems, Inc
Smith Chem & Color Co
Tamms Industries
Charles A Wagner Co
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PURPLE OXIDE see Iron Oxide, Red

PURPLE SALT see Potassium Permanganate

PURPURIN (1,2,4-Trihydroxyanthraquinone)

Antara Chems Div (P)
Eastern Chem Corp (P)

PUTTY, ACID-RESISTANT

Gates Engrg Co (P)

Atlas Mineral Products Co (P)

PUTTY, CHEMICAL

Atlas Mineral Products Co (P) Borden Chem Co (P)
Clarkson Labs (P)

PUTTY, RUBBER

Dow Corning Corp (P)
Gates Engrg Co (P)

Adhesive Products Corp (P) Clarkson Labs (P)

PYOKTANIN BLUE see Methyl Violet

PYRAZOLONES

Harwick Standard Chem Co
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Sherwin-Williams Co (P)
Verona-Pharma Chem Corp (P)

Winthrop Labs (P)

PYRETHRUM

►BAIRD CHEM INDUSTRIES, INC
Fairfield Chems Div (P)
McLaughlin Gormley King Co (P)
►S B PENICK & Co (P)

Prentiss Drug & Chem Co (P)

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American Firstoline Corp
Ansul Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
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Pittsburgh Chem Co (P)
Reilly Tar & Chem Corp (P)
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Tar Residuals
George Uhe Co

Crowley Tar Products Co (P)
U S Steel Corp (P)

PYRIDINE BORANE
Callery Chem Co (P)

PYRIDINE-N-OXIDES
Reilly Tar & Chem Corp (P)
Beacon Chem Industries (P)

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Aldrich Chem Co (P)
Eastern Chem Corp (P)
Fairmount Chem Co (P)
Hexagon Labs (P)
Nepera Chem Co (P)

3-PYRIDOL (3-Hydroxypyridine)
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Eastern Chem Corp (P)
Nepera Chem Co (P)

2-PYRIDONE see 2-Pyridol

PYRIDOXINE HYDROCHLORIDE see Vitamin B_6

PYRIDYL MERCURIC ACETATE
Mallinckrodt Chem Works (P)

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PYRILAMINE MALEATE
Merck Chem Div (P)

PYRIMIDINETRIONE see Acid, Barbituric

PYRITES
Climax Molybdenum Co (P)
Kolon Trading Co
Foote Mineral Co (P)
Mountain Copper Co (P)

PYROCATECHIN see Pyrocatechol

PYROCATECHOL (Pyrocatechin)
►BAIRD CHEM INDUSTRIES, INC
Eastern Chem Corp (P)
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Winthrop Labs (P)

PYROGALLOL see Acid, Pyrogallic

PYROLIGNEOUS VINEGAR see Acid, Pyroligneous

PYROMUCIC ALDEHYDE see Furfural

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Whittaker, Clark & Daniels
R T Vanderbilt Co (P)

PYROXYLIN
United Lacquer Mfg Corp (P)

PYRROLE
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Ansul Chem Co (P)
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K & K Labs (P)

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Henley & Co

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Antara Chems Div (P)

PYRROLIDYLETHANOL
Aldrich Chem Co (P)

PYRROLYLENE see Butadiene

PYRUVIC ALDEHYDE (Methyl Glyoxal)
Aldrich Chem Co (P)
Union Carbide Chems Co (P)

Q

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Charles A Wagner Co
Whittaker, Clark & Daniels
Edgar Plastic Kaolin Co (P)

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Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Fine Organics (P)
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Maher Color & Chem Co (P)
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►ONYX CHEM CORP (P)
Oronite Div (P)
Peanotex Oil Corp (P)
Process Chems Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
RSA Corp (P)
Sole Chem Corp
Synthetic Chems (P)
Thompson-Hayward Chem Co (P)
Treplow Chem Co (P)
Joseph Turner & Co (P)
Washine Chem Corp
►WITCO CHEM CO (P)

Archer-Daniels-Midland Co (P)
American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Barlow Chem Corp (P)
Britex Corp (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Foremost Food & Chem Co (P)
Wallace A Erickson & Co (P)
Guard Chem Corp (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
Key Chem Corp (P)
Miranol Chem Co (P)
Naico Chem Co (P)
Oakite Products (P)
Pennsylvania Glass Sand Corp (P)
Tanatex Chem Corp (P)
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Warwick Chem Div (P)

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Fritzsche Bros (P)
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Thompson-Hayward Chem Co (P)

Baroid Div, National Lead Co (P)
Hayes-Sammons Chem Co (P)
Magnet Cove Barium Corp (P)
Arthur C Trask Co (P)

QUERCETIN

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Millmaster Chem Corp (P)

Weyerhaeuser Co, Research Div (P)
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QUICKSILVER see Mercury

QUICKSILVER VERMILION see Mercury Sulfide, Red

QUILLAIA see Soap Bark

QUINALDINE

Aldrich Chem Co (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
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Roselle Labs (P)

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Roselle Labs (P)

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Roselle Labs (P)

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QUINOL see Hydroquinone

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8-QUINOLINOL see 8-Hydroxyquinoline

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►EASTMAN CHEM PRODUCTS (P)

QUINONE DIOXIME

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Carwin Co (P)
Naugatuck Chem Div (P)

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Geigy Dyestuffs Div (P)
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Volk Radiochem Co (P)
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RARE EARTH CHEMICALS—see also specific chemical

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP (P)
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Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Bram Metallurgical-Chem Co (P)
Research Chems (P)
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RARE EARTH METALS—see also specific metal

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City Chem Corp
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Mallinckrodt Chem Works (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Bram Metallurgical-Chem Co (P)
Research Chems (P)
Ronson Metals Corp (P)
Eagle-Picher Co (P)
J A Samuel & Co (P)
Metals & Controls Inc (P)
Xanthippe Chems (P)

RASPITE see Lead Tungstate

RAUWOLFIA

Meer Corp (P)
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REALGAR see Arsenic Disulfide

RED ARSENIC see Arsenic Disulfide

RED ARSENIC SULFIDE see Arsenic Disulfide

RED IRON TRIOXIDE see Iron Oxide, Red

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RED ORPIMENT see Arsenic Disulfide

RED OXIDE see Iron Oxide, Red

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Mobay Chem Co (P)
Mol-Rez Div (P)
Morningstar-Paisley, Inc (P)
National Polychems (P)
Naugatuck Chem Div (P)
C J Osborn Co (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Synco Resins (P)
Schenectady Varnish Co (P)
Scholler Bros (P)
A E Staley Mfg Co (P)
Fred'k A Stresen-Reuter Inc (P)
Texas Butadiene & Chem Corp (P)
Thiokol Chem Corp (P)
Trancoa Chem Corp (P)
Union Carbide Plastics Co (P)
Varcum Chem Div (P)
Wilmington Chem Corp (P)

RESINS, CONDENSATION

►DU PONT, DYES & CHEMS DIV (P)
Pennotex Oil Corp (P)
Rohm & Haas Co (P)
Valchem (P)

Acme Resin Corp (P)
Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
American-Marietta Co (P)
Applied Plastics Div (P)
Crownoil Chem Co (P)
Archer-Daniels-Midland Co (P)
Firestone Plastics Co (P)
Lawter Chems (P)
National Polychems (P)
C J Osborn Co (P)
Perkins Glue Co (P)
Synco Resins (P)
Varcum Chem Div (P)
Warwick Chem Div (P)

RESINS, COUMARONE-INDENE

►ALLIED CHEM CORP, PLASTICS DIV (P)
Harwick Standard Chem Co
Neville Chem Co (P)
Pennsylvania Industrial Chem Corp (P)
Smith Chem & Color Co

Crowley Tar Products Co (P)

RESINS, DRY BLENDING

Diamond Alkali Co (P)
Gering Plastics (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
Shawinigan Resins Corp (P)

American Cyanamid Co, Plastics & Resins Div (P)
Aries Labs (P)
Borden Chem Co (P)
Firestone Plastics Co (P)
J P Frank Chem Corp (P)
H B Fuller Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Plastics Engrg Co (P)
Synco Resins (P)

RESINS, EPICHLORHYDRIN see Resins, Epoxy

RESINS, EPOXY

►ALLIED CHEM CORP, PLASTICS DIV (P)
Dow Chem Co (P)
General Mills, Chem Div
Howe & French
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Miller-Stephenson Chem Co (P)
►ONYX CHEM CORP (P)
►SHELL CHEM CO (P)
Sherwin-Williams Co (P)
Thompson-Hayward Chem Co

Alkydol Labs (P)
Applied Plastics Div (P)
Aries Labs (P)
Axel Plastics Research Labs (P)
Borden Chem Co (P)
Chapman Chem Co (P)
Ciba Products Corp (P)
Crownoil Chem Co (P)
Devcon Corp (P)
FMC Corp, Chems & Plastics Div (P)
H B Fuller Co (P)
Furane Plastics (P)
Hastings Plastics (P)
Hysol Corp (P)
Jones-Dabney Co (P)
Marblette Corp (P)
C J Osborn Co (P)
Pro-Chem, Inc (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Rubba, Inc (P)
Synco Resins (P)
Union Carbide Plastics Co (P)
United States Gypsum Co (P)

RESINS, FURFURYL ALCOHOL

Catalin Corp of America (P)
Durez Plastics Div (P)
Furane Plastics (P)
National Casein Co (P)
National Polychems (P)
Synco Resins (P)
Varcum Chem Div (P)

RESINS, HEAT-RESISTANT

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Carwin Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, POLYCHEMS DEPT (P)
General Elec Co, Silicone Products (P)
Gering Plastics (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Rohm & Haas Co (P)
►SHELL CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

(Continued)

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NEVILLE

Coumarone Indene Resins

for use in

- Rubber
- Coatings
- Printing Inks
- Adhesives
- many other products

NEVILLE CHEMICAL CO.
Pittsburgh 25, Pa.
PLANTS AT NEVILLE ISLAND, PA. AND ANAHEIM, CAL.

PANAREZ

Resins and Resin Solutions

For use in protective coatings, rubber products and floor tile

AMOCO CHEMICALS

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130 East Randolph Drive
Chicago 1, Illinois

EPOXY RESINS

- Curing Agents
- Modifiers
- Fillers
- Fiber Glass

MILLER-STEPHENSON CHEMICAL CO., INC.
Phila., Pa. So. Norwalk, Conn.

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Hydrocarbon Resins

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• Modified Coumarone
• Petroleum
• Alkylated Phenol

NEVILLE CHEMICAL CO.
Pittsburgh 25, Pa.
PLANTS AT NEVILLE ISLAND, PA. AND ANAHEIM, CAL.

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SYNTHETIC RESINS

Pentalyn® resins for varnishes and inks, Cellolyn® resins for lacquers, other methyl, glycol, glycerol, PE esters of rosin and modified rosins. Maleic and phenolic resins. Oil-free alkyds and coconut alkyds.



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INCORPORATED
Hercules Tower, 910 Market Street, Wilmington 99, Del.
GD 61-1



RESINS, HEAT-RESISTANT (continued)

Alkydol Labs (P)
American Cyanamid Co, Plastics & Resins Div (P)
Aries Labs (P)
Axel Plastics Research Labs (P)
Borden Chem Co (P)
Carwin Polymer Products (P)
Catalin Corp of America (P)
Chemical Coatings & Engrg Co (P)
DeSoto Chem Coatings (P)
Devcon Corp (P)
FMC Corp, Chems & Plastics Div (P)
Epoxylite Corp (P)
Firestone Plastics Co (P)
Heresite & Chem Co (P)
Jones-Dabney Co (P)
Marblette Corp (P)
Mobay Chem Co (P)
National Polychems (P)
Naugatuck Chem Div (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Rubba, Inc (P)
Solar Chem Corp (P)
Synco Resins (P)
Trancoa Chem Corp (P)
Union Carbide Plastics Co (P)
Varcum Chem Div (P)
Epoxylite Corp (P)
J P Frank Chem Corp (P)
Freeman Chem Corp (P)
Furane Plastics (P)
Hysol Corp (P)
Interchem Corp, Finishes Div (P)
Thiokol Chem Corp (P)
Trancoa Chem Corp (P)
Varcum Chem Div (P)
Velsicol Chem Corp (P)
Warwick Chem Div (P)
Wilmington Chem Corp (P)

RESINS, HIGH STYRENE

Dow Chem Co (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Pennsylvania Industrial Chem Corp (P)

Firestone Plastics Co (P)
B F Goodrich Chem Co (P)
Naugatuck Chem Div (P)
Solar Chem Corp (P)
Wica Chems (P)

RESINS, HYDROCARBON

Amoco Chems Corp (P)
Dow Chem Co (P)
►DU PONT, POLYCHEMS DEPT (P)
Harwick Standard Chem Co
Miller-Stephenson Chem Co (P)
Neville Chem Co (P)
Oronite Div (P)
Pennsylvania Industrial Chem Corp (P)
Smith Chem & Color Co

Alkydol Labs (P)
Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Furane Plastics (P)
C P Hall Co (P)
Interchem Corp, Colors & Chems Div (P)
Naugatuck Chem Div (P)
Petrochemicals Co (P)
Universal Detergents (P)
Velsicol Chem Corp (P)

RESINS, IMPREGNATING

►ALLIED CHEM CORP, PLASTICS DIV (P)
Amoco Chems Corp (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►ENJAY CHEM CO (P)
General Elec Co, Silicone Products (P)
General Mills, Chem Div (P)
Miller-Stephenson Chem Co (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
Pennotex Oil Corp (P)
Pennsylvania Industrial Chem Corp (P)
►SHELL CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

Acme Resin Corp (P)
American Cyanamid Co, Plastics & Resins Div (P)
American-Marietta Co (P)
Aries Labs (P)
Axel Plastics Research Labs (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Ciba Products Corp (P)
Durez Plastics Div (P)
Jones-Dabney Co (P)
Joy Chem Inc (P)
Marblette Corp (P)
Mol-Rez Div (P)
National Polychems (P)
Naugatuck Chem Div (P)
Plastics Engrg Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Synco Resins (P)
Texas Butadiene & Chem Corp (P)

RESINS, ION-EXCHANGE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dow Chem Co (P)
Fisher Scientific Co (P)
Mallinckrodt Chem Works
►MONSANTO CHEM CO (P)
Rohm & Haas Co (P)

Bio-Rad Labs (P)
Chem-Pure Service Co (P)
Elgin Softener Corp (P)
Hagan Chems & Controls (P)
Permutit Co (P)

RESINS, ISOCYANATE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Carwin Co (P)
►NOPCO CHEM CO (P)
Process Chems Co (P)
Wallach-Gracer Export Corp

American Alkyd Industries of Cal (P)
Applied Plastics Div (P)
Axel Plastics Research Labs (P)
California Ink Co (P)
Carwin Polymer Products (P)
Chase Chem Co (P)
Chemical Coatings & Engrg Co (P)
Archer-Daniels-Midland Co (P)
Aries Labs (P)
DeSoto Chem Coatings (P)
Furane Plastics (P)
Hexcel Products (P)
Hysol Corp (P)
Mobay Chem Co (P)
Mol-Rez Div (P)
Naugatuck Chem Div (P)
Trancoa Chem Corp (P)

RESINS, LAMINATING

►ALLIED CHEM CORP, PLASTICS DIV (P)
►CELANESE POLYMER CO (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►ENJAY CHEM CO (P)
General Elec Co, Silicone Products (P)
General Mills, Chem Div (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Miller-Stephenson Chem Co (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Oronite Div (P)
Pennsylvania Industrial Chem Corp (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)
►SHELL CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

Acme Resin Corp (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
American-Marietta Co (P)
Applied Plastics Div (P)
Archer-Daniels-Midland Co (P)
Aries Labs (P)
Armour Alliance Industries (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Chemical Coatings & Engrg Co (P)
Ciba Products Corp (P)
Furane Plastics (P)
Heresite & Chem Co (P)
Hysol Corp (P)
Industrial Chem Specialties Co (P)
Interchem Corp, Finishes Div (P)
Jones-Dabney Co (P)
Marblette Corp (P)
Mol-Rez Div (P)
Morningstar-Paisley Inc (P)
National Polychems (P)
Naugatuck Chem Div (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)

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DeSoto Chem Coatings (P)
Durez Plastics Div (P)
Epoxylite Corp (P)
FMC Corp, Chems & Plastics Div (P)
Freeman Chem Corp (P)
Goodyear Tire & Rubber Co, Chem Div (P)
A E Staley Mfg Co (P)
Synco Resins (P)
Trancoa Chem Corp (P)
Union Carbide Plastics Co (P)
United Paste & Glue Corp (P)
Varcum Chem Div (P)

RESINS, MALEIC

►ALLIED CHEM CORP, PLASTICS DIV (P)
Rohm & Haas Co (P)
Sherwin-Williams Co (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
Archer-Daniels-Midland Co (P)
California Ink Co (P)
Dixie Pine Products Co (P)
Jones-Dabney Co (P)
Lawter Chems (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Texas Butadiene & Chem Corp (P)

RESINS, MALEIC MODIFIED

►ALLIED CHEM CORP, PLASTICS DIV (P)
Rohm & Haas Co (P)
Sherwin-Williams Co (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
Archer-Daniels-Midland Co (P)
California Ink Co (P)
Dixie Pine Products Co (P)
Lawter Chems (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Texas Butadiene & Chem Corp (P)
R T Vanderbilt Co (P)

RESINS, MELAMINE

►ALLIED CHEM CORP, PLASTICS, DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►CELANESE PLASTICS CO (P)
►MONSANTO CHEM CO (P)
Rohm & Haas Co (P)

American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Jones-Dabney Co (P)
National Polychems (P)
Reichhold Chems, Inc (P)

RESINS, METHACRYLATE

►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, POLYCHEMS DEPT (P)
Rohm & Haas Co (P)
Sartomer Resins, Inc (P)

Borden Chem Co (P)
Polyvinyl Chems (P)
Wica Chems (P)

RESINS, NATURAL see Gums

RESINS, OILPROOF

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)

Alkydol Labs (P)
American Cyanamid Co, Plastics & Resins Div (P)
Aries Labs (P)
Borden Chem Co (P)
Colloids, Inc (P)
DeSoto Chem Coatings (P)
H V Hardman Co (P)
Schenectady Varnish Co (P)
Synco Resins (P)
Trancoa Chem Corp (P)

RESINS, PETROLEUM

Amoco Chems Corp (P)
►ENJAY CHEM CO (P)
Harwick Standard Chem Co
Neville Chem Co (P)
Pennsylvania Industrial Chem Corp (P)
Petroleum By-Products & Chem Co

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Kenrich Petrochems (P)
Velsicol Chem Corp (P)

RESINS, PHENOL-FORMALDEHYDE

►ALLIED CHEM CORP, PLASTIC DIV (P)
Hercules Powder Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Rohm & Haas Co (P)
Sherwin-Williams Co (P)

Acme Resin Corp (P)
Alkydol Labs (P)
American-Marietta Co (P)
Archer-Daniels-Midland Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Crowley Tar Products Co (P)
Dixie Pine Products Co (P)
Durez Plastics Div (P)
General Elec Co, Chem Materials Dept (P)
H V Hardman Co (P)
Heresite & Chem Co (P)
Lawter Chems (P)
Marblette Corp (P)
National Casein Co (P)
National Polychems (P)
Perkins Glue Co (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Synco Resins (P)
Synvar Corp (P)
Union Carbide Plastics Co (P)
Varcum Chem Div (P)

RESINS, PHENOL-FURFURAL

Acme Resins Corp (P)
Borden Chem Co (P)
Catalin Corp of America (P)
National Polychems (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Union Carbide Plastics Co (P)

RESINS, PHENOLIC, MODIFIED

General Mills, Chem Div (P)
Hercules Powder Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)
Neville Chem Co (P)
Pennotex Oil Corp
Rohm & Haas Co (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Acme Resin Corp (P)
Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American-Marietta Co (P)
Archer-Daniels-Midland Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Chemical Process Co (P)
Crownoil Chem Co (P)
Dixie Pine Products Co (P)
Durez Plastics Div (P)
General Elec Co, Chem Materials Dept (P)
Hastings Plastics (P)
Haveg Industries (P)
Heresite & Chem Co (P)
Jones-Dabney Co (P)
Lawter Chems (P)
Minnesota Mining & Mfg Co, Chem Div (P)
National Casein Co (P)
National Polychems (P)
C J Osborn Co (P)
Plastics Engrg Co (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Synco Resins (P)
Varcum Chem Div (P)

RESINS, POLYAMIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, POLYCHEMS DEPT (P)

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PICCO SYNTHETIC RESINS

PICCOPALE
A non-aromatic petroleum resin and compounding aid for plastic and rubber materials.

PICCO
Alkyl-aromatic resin with a complete range of melting points for rubber and plastic compounds.

PICCO N
Aromatic resin with a complete range of melting points and colors for light or dark rubber and plastic compounds.

PICCOLYTE
Terpene Resins—Polymers of Beta Pinene for light colored compounds.

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Saturated, aromatic substituted styrene copolymers.

PICCOFLEX
Series of light colored resins of the modified styrene copolymer type.

PICCOLASTIC
Low-Molecular weight styrene copolymer resins — Polymers of styrene and its homologues comprising a wide range of melting points, molecular weights and solvencies. Alkali and acid resisting to a high degree for use in rubber-base adhesives.

PICCODIENE
A heat reactive aromatic petroleum resin.

RESINEX®
A polymerized aromatic resin-type softener. Improves tensile strength, elongation, resistance to abrasion and cut-growth in rubber compounds. Its softening action speeds milling and smooths out stocks for better extrusion. Available in complete range of melting points from liquid to solid.

Manufactured by Pennsylvania Industrial Chemical Corporation

HARWICK STANDARD CHEMICAL CO.
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General Mills

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Versamids are non-toxic

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GENAMID® 250
For concrete patching and topping, coatings, castings, potting, laminate reinforcing agents.

•EPOXY RESINS

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GENEPOXY® SOLID RESINS
525, 625, 925, 1800 For air-dry and baking type industrial finishes, trade sale finishes, laminates

GENEPOXY® SOLUTIONS OF SOLID RESINS
525-T75, 525-XM75 For protective and decorative coatings

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General Mills CHEMICALS

Chemical Division, Kankakee, Ill., and Tlalnepantla, Mex.

RESINS, POLYAMIDE (continued)

General Mills, Chem Div (P)
Miller-Stephenson Chem Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Stein Hall & Co

B B Chem Co (P)
Firestone Plastics Co (P)
Furane Plastics (P)
Interplastics Corp (P)
Spencer Chem Co (P)

RESINS, POLYCARBONATE

General Elec Co, Chem Materials Dept (P)
Mobay Chem Co (P)

RESINS, POLYESTER

►ALLIED CHEM CORP, PLASTICS DIV (P)
Atlas Chem Industries, Chems Div (P)
►CELANESE POLYMER CO (P)
Miller-Stephenson Chem Co
►ONYX CHEM CORP (P)
Organite Div (P)
Rohm & Haas Co (P)
Valchem (P)
►WITCO CHEM CO (P)
Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
Archer-Daniels-Midland Co (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Cambridge Industries Co (P)
Chapman Chem Co (P)
Chemical Coatings & Engrg Co (P)
Clarkson Labs (P)
DeSoto Chem Coatings (P)
Durez Plastics Div (P)
Freeman Chem Corp (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Hastings Plastics (P)
Interchem Corp, Finishes Div (P)
Mobay Chem Co (P)
Mol-Rez Div (P)
Naugatuck Chem Div (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)

RESINS, POLYETHYLENE

Dow Chem Co (P)
►DU PONT, POLYCHEMS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
Gering Plastics (P)
Howe & French
►MONSANTO CHEM CO (P)
►SHELL CHEM CO (P)
►US INDUSTRIAL CHEMS CO (P)
Valchem (P)
Interplastics Corp (P)
Mona Industries (P)
Spencer Chem Co (P)
Union Carbide Plastics Co (P)

RESINS, POLYOXYETHYLENE

►DU PONT, POLYCHEMS DEPT (P)

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VALCHEM

THE CHEMICAL DIVISION OF UNITED MERCHANTS & MFRS., INC.

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POLYESTER RESINS

CHEMICAL SPECIALTIES

CUSTOM CHEMICAL MANUFACTURING

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FOR FLEXIBLE URETHANE FOAMS
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Fomrez 70

FOR RIGID URETHANE FOAMS
Fomrez R-400
Fomrez P-420

WITCO CHEMICAL COMPANY, Inc.
Organic Chemicals Division
122 East 42nd Street • New York 17, N.Y.

WITCO®

RESINS, POLYPROPYLENE

►ENJAY CHEM CO (P)
Gering Plastics (P)
Wallach-Gracer Export Corp

AviSun Corp (P)
Firestone Plastics Co (P)
Interplastics Corp (P)

RESINS, POLYSILOXANE

Dow Corning Corp (P)
Union Carbide Corp, Silicones Div (P)

RESINS, POLYSTYRENE

Dow Chem Co (P)
Gering Plastics (P)
►MONSANTO CHEM CO (P)
Pennsylvania Industrial Chem Corp (P)
►SHELL CHEM CO (P)

Borden Chem Co (P)
Catalin Corp of America (P)
Interplastics Corp (P)
Solar Chem Corp (P)
Union Carbide Plastics Co (P)

RESINS, POLYURETHANE

►ALLIED CHEM CORP, PLASTICS DIV (P)
Baker Castor Oil Co (P)
Carwin Co (P)
Dow Chem Co (P)
George Mann & Co
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Process Chems Co (P)
Wallach-Gracer Export Corp
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

American Alkyd Industries of Cal (P)
Applied Plastics Div (P)
Archer-Daniels-Midland Co (P)
California Ink Co (P)
Carwin Polymer Products (P)
Chase Chem Corp (P)
Chemical Coatings & Engrg Co (P)
Clarkson Labs (P)
DeSoto Chem Coatings (P)
J P Frank Chem Corp (P)
Freeman Chem Corp (P)
Furane Plastics (P)
General Tire & Rubber Co, Chem Div (P)
B F Goodrich Chem Co (P)
Hastings Plastics (P)
Hexcel Products (P)
Isocyanate Products (P)
Jones-Dabney Co (P)
Spencer Kellogg & Sons (P)
Marblette Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Mobay Chem Co (P)
Mol-Rez Div (P)
Naugatuck Chem Div (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Thiokol Chem Corp (P)
Trancoa Chem Corp (P)
Wilmington Chem Corp (P)

RESINS, POLYVINYL CHLORIDE

Cary Chems (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
Gering Plastics (P)
O G Innes Corp
International Selling Corp
Mercury Chem Corp
►MONSANTO CHEM CO (P)
►ONYX CHEM CORP (P)
Pennotex Oil Corp (P)
Stein Hall & Co (P)

Archer-Daniels-Midland Co (P)
Borden Chem Co (P)
Escambia Chem Corp (P)
Firestone Plastics Co (P)
J P Frank Chem Corp (P)
Furane Plastics (P)
General Tire & Rubber Co, Co, Chem Div (P)
B F Goodrich Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Naugatuck Chem Div (P)
National Starch & Chem Corp (P)
Rubber Corp of America (P)
Union Carbide Plastics Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

SPIRIT AND OIL SOLUBLE GUMS AND RESINS

DAMARS
Singapore — Batavia — Siam
EAST INDIAS
Batu — Black — Pale
COPALS
Manila — Congo — Pontianak
YACCA (Accroides)
ELEMI
SANDARAC
MASTIC
PROCESSED NATURAL RESINS
Fused Congo
Dewaxed Damar

O. G. INNES CORPORATION
10 E. 40th St. New York 16, N. Y.
Telephone: OREgon 9-6180



KEY CHEMICALS FROM WYANDOTTE

POLYURETHANE-FOAM INTERMEDIATES

PLURACOL® DIOLS for prepolymer-type flexible foams, and to impart strength properties to one-shot flexible foams.

PLURACOL TRIOLS, used for one-shot flexible foams and for the preparation of rigid foams.

PLURACOL PeP TETROLS are used to prepare rigid foams of outstanding dimensional stability.

PLURACOL SP HEXOLS are a series of sorbitol-based polyols used in the manufacture of rigid foams.

TETRONIC® POLYOLS, for improved resilience and moldability.

QUADROL®, a very reactive cross-linking agent and catalyst.

DHP-MP, a catalyst with extremely low odor.

For further information, see our catalog on pages 203-206.

WYANDOTTE CHEMICALS
MICHIGAN ALKALI DIVISION
WYANDOTTE, MICHIGAN

EPOLENE® LOW-MOLECULAR-WEIGHT POLYOLEFIN RESINS FROM **EASTMAN**

A wide variety of types, emulsifiable and non-emulsifiable, for many different applications. Shipped in pellet form in 50-lb. bags.

TYPICAL APPLICATIONS FOR EPOLENE RESINS

Hot-melt adhesives
Carpet backing
Coil and condenser potting
Corrugated board coating
Cotton duck coating
Dairy waxes
Coated paper for fiber drums
Folding cartons
Coatings for glass bottles
Leather finishes
Packaging materials
Hot-melt paper coatings
Emulsion paper coatings
Carbon paper
Emulsion floor polishes
Paste polishes
Printing inks
Rubber compounding
Slush molding
Agricultural sprays
Textile softeners
Wax modification

Atlanta, Ga.—CEdar 7-6473
Boston (Framingham), Mass.—TRinity 2-6541
Buffalo, N. Y.—TF 9-3252
Chicago (Skokie), Ill.—IRving 8-2771
Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Greensboro, N. C.—BRoadway 5-9517
Houston, Texas—JAckson 6-3981
Kansas City, Mo.—LOgan 1-7268
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—OREgon 9-1820
Philadelphia (Fort Washington), Pa. CHestnut Hill 8-2275
St. Louis, Mo.—PArkview 7-4608

Western Sales Representative:
Wilson & Geo. Meyer & Company
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif—RAymond 3-9421
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—EMpire 3-3943

Eastman
CHEMICAL PRODUCTS, INC., Subsidiary of Eastman Kodak Company, KINGSPORT, TENNESSEE

RESINS, PRINTING INK

Acme Shellac Products Co (P)
Amoco Chems Corp (P)
Degen Oil & Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
General Mills, Chem Div (P)
Hercules Powder Co (P)
Hilton-Davis Chem Co Div (P)
Neville Chem Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Oronite Div (P)
Pennsylvania Industrial Chem Corp (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)
Sherwin-Williams Co (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
American Lithographic Varnish Co (P)
Archer-Daniels-Midland Co (P)
Aries Labs (P)
Borden Chem Co (P)
Dixie Pine Products Co (P)
Durez Plastics Div (P)
Firestone Plastics Co (P)
J P Frank Chem Corp (P)
Lawter Chems (P)
National Polychems (P)
National Starch & Chem Corp (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Fred'k A Stresen-Reuter Inc (P)
Texas Butadiene & Chem Corp (P)
Velsicol Chem Corp (P)
Wilmington Chem Corp (P)

RESINS, RESORCINOL

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MONSANTO CHEM CO (P)
Rohm & Haas Co (P)

American-Marietta Co (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Durez Plastics Div (P)
National Casein Co (P)
National Polychems (P)
Perkins Glue Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Varcum Chem Div (P)

RESINS, ROSIN DERIVATIVES

Hercules Powder Co (P)
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
Rohm & Haas Co (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
Crownoil Chem Co (P)
Dixie Pine Products Co (P)
Lawter Chems (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Thiokol Chem Corp (P)
Wica Chems (P)

RESINS, ROTENONE

Fairfield Chems Div (P)
►S B PENICK & CO (P)

Chemical Insecticide Corp (P)
Prentiss Drug & Chem Co (P)

RESINS, RUBBER

Amoco Chems Corp (P)
Chemical Mfg Co
Harwick Standard Chem Co
Neville Chem Co (P)
Pennsylvania Industrial Chem Corp (P)

Alkydol Labs (P)
Borden Chem Co (P)
Carbon Products Co (P)
Crowley Tar Products Co (P)
Dewey & Almy Chem Div (P)
B F Goodrich Chem Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
C P Hall Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
National Polychems (P)
Naugatuck Chem Div (P)
Schenectady Varnish Co (P)
Thiokol Chem Corp (P)
Velsicol Chem Corp (P)
Wica Chems (P)

RESINS, SILICONE

Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Harwick Standard Chem Co (P)
Union Carbide Corp, Silicones Div (P)

Aries Labs (P)
Warwick Chem Div (P)

RESINS, SILICONE-ALKYD

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Dow Corning Corp (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Alkydol Labs (P)
DeSoto Chem Coatings (P)
Jones-Dabney Co (P)
Schenectady Varnish Co (P)

SYNTHETIC RESINS and PLASTICIZERS

PICCOPALE
100% polymerized petroleum resins

•

PICCO RESINS
(formerly Piccoumaron)
para-coumarone-indene resins

PICCOLYTE
terpene resins

•

PICCOLASTIC RESINS
based on Styrene, Substituted Styrene and Homologues

PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION — PICCO

THE TRADEMARK OF QUALITY

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNSYLVANIA
Plants: Clairton, Pa., West Elizabeth, Pa.; and Chester, Pa.
Sales Offices: Boston, Chicago, Cincinnati, Dallas, Detroit, Jacksonville, Houston, Los Angeles, New Orleans, New York, Philadelphia, Pittsburgh

RESINS, STYRENEACRYLONITRILE

Gering Plastics (P)

American Cyanamid Co, Plastics & Resins Div (P)
Borden Chem Co (P)
B F Goodrich Chem Co (P)
Naugatuck Chem Div (P)
Polyvinyl Chems (P)
Solar Chem Corp (P)
Union Carbide Plastics Co (P)
Wica Chems (P)

RESINS, SYNTHETIC see Plastics, Synthetic Resin and specific resin

RESINS, TERPENE

Harwick Standard Chem Co
Hercules Powder Co (P)
Pennsylvania Industrial Chem Corp (P)

Durez Plastics Div (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Schenectady Varnish Co (P)

RESINS, TETRAFLUOROETHYLENE

►DU PONT, POLYCHEMS DEPT (P)

Acheson Colloids Co (P)

RESINS, TEXTILE

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Maher Color & Chem Co (P)
►MONSANTO CHEM CO (P)
National Casein Co (P)
Neville Chem Co (P)
►ONYX CHEM CORP (P)
Pennsylvania Industrial Chem Corp (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)
Valchem (P)

Alkydol Labs (P)
Amalgamated Chem Corp (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
Catalin Corp of America (P)
Ciba Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
Eastern Color & Chem (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
B F Goodrich Chem Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Metro-Atlantic, Inc (P)
National Polychems
Naugatuck Chem Div (P)
C J Osborn Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Texas Butadiene & Chem Corp (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

RESINS, UREA-FORMALDEHYDE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Hercules Powder Co (P)
Maher Color & Chem Co (P)
►MONSANTO CHEM CO (P)
Rohm & Haas Co (P)
Sherwin-Williams Co (P)
Valchem (P)

Acme Resin Corp (P)
A Adler & Son (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
American-Marietta Co (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
Catalin Corp of America (P)
Continental Chem Co (P)
Crown Chem Corp (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Jones-Dabney Co (P)
Metro-Atlantic, Inc (P)
National Casein Co (P)
National Polychems (P)
Perkins Glue Co (P)
Reichhold Chems, Inc (P)
Sandoz, Inc (P)
Scher Bros (P)
Synvar Corp (P)
Warwick Chem Div (P)
Wica Chems (P)

RESINS, VARNISH

►ALLIED CHEM CORP, PLASTICS DIV (P)
Amoco Chems Corp (P)
Dow Chem Co (P)
Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Hercules Powder Co (P)
Hilton-Davis Chem Co Div (P)
Howe & French
O G Innes Corp
George Mann & Co
Miller-Stephenson Chem Co (P)
Neville Chem Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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Oronite Div (P)
Pennsylvania Industrial Chem Corp (P)
Rohm & Haas Co (P)
►SHELL CHEM CO (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American Cyanamid Co, Plastics & Resins Div (P)
Archer-Daniels-Midland (P)
Aries Labs (P)
California Ink Co (P)
Crownoil Chem Co (P)
DeSoto Chem Coatings (P)
Freeman Chem Corp (P)
Furane Plastics (P)
Heresite & Chem Co (P)
Lawter Chems (P)
Marblette Corp (P)
National Polychems (P)
C J Osborn Co (P)
Plastics Engrg Co (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)
Synco Resins (P)
Trancoa Chem Corp (P)
Union Carbide Plastics Co (P)
Varcum Chem Div (P)
Velsicol Chem Corp (P)

RESINS, VINYL, excluding Polyvinyl Chloride

►AIR REDUCTION CHEM & CARBIDE CO (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Gering Plastics (P)
Shawinigan Resins Corp (P)
Union Carbide Corp, Silicones Div (P)

Amalgamated Chem Corp (P)
Archer-Daniels-Midland Co (P)
Borden Chem Co (P)
Colloids, Inc (P)
J P Frank Chem Co (P)
Franklin Glue Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
National Casein Co (P)
National Starch & Chem Corp (P)
Rubber Corp of America (P)
Synco Resins (P)
Union Carbide Plastics Co (P)
Wica Chems (P)

RESINS, VINYL ORGANOSOL

Diamond Alkali Co (P)
Stein Hall & Co (P)

Borden Chem Co (P)
Firestone Plastics Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Naugatuck Chem Div (P)
Morningstar-Paisley, Inc (P)
Union Carbide Plastics Co (P)

RESINS, VINYL PLASTISOL

Diamond Alkali Co (P)

Borden Chem Co (P)
Firestone Plastics Co (P)
Goodyear Tire & Rubber Co, Chem Div (P)
Naugatuck Chem Div (P)
Morningstar-Paisley, Inc (P)
Union Carbide Plastics Co (P)

RESINS, WATER-SOLUBLE

Acme Shellac Products Co
►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Antara Chems Div (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Glyco Chems (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
M Michel & Co
Neville Chem Co (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Shawinigan Resins Corp (P)

Alco Oil & Chem Corp (P)
Alkydol Labs (P)
American-Marietta Co (P)
Archer-Daniels-Midland Co (P)
Borden Chem Co (P)
California Ink Co (P)
Catalin Corp of America (P)
Colloids, Inc (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
B F Goodrich Chem Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Co (P)
Spencer Kellogg & Sons (P)
Lawter Chems (P)
Metro-Atlantic, Inc (P)
National Polychems (P)
Plastics Engrg Co (P)
Polyvinyl Chems (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Scher Bros (P)
Synco Resins (P)
Vacuum Chem Div (P)
Warwick Chem Div (P)
Wica Chems (P)

RESINS, WET-STRENGTH

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Hercules Powder Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
►MILES CHEM CO (P)
Neville Chem Co (P)
►NOPCO CHEM CO (P)
Pennsylvania Industrial Chem Corp (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)
Union Carbide Corp, Silicones Div (P)
Vaicnem (P)

Alkydol Labs (P)
American-Marietta Co (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
California Ink Co (P)
Catalin Corp of America (P)
Emkay Chem Co (P)
B F Goodrich Chem Co (P)
Morningstar-Paisley, Inc (P)
National Casein Co (P)
National Polychems (P)
Raybestos-Manhattan (P)
Reichhold Chems, Inc (P)
Scher Bros (P)
Synco Resins (P)
Texas Butadiene & Chem Corp (P)
United Paste & Glue Corp (P)
Warwick Chem Div (P)
Wica Chems (P)

RESORCIN see Resorcinol

RESORCINOL (Resorcin, m-Dihydroxybenzene, Benzenediol)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Henley & Co
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

Catalin Corp of America (P)
B L Lemke & Co (P)
Heyden Newport Chem Co (P)

RESORCINOL ACETATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Distillation Products Industries (P)
Fine Organics (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

Knoll Pharmaceutical Co (P)

RESORCINOL BENZOATE

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

RESORCINOL DIACETATE

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

RESORCINOL DIBENZOATE

►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

RESORCINOLPHTHALEIN see Fluorescein

RETINOL see Oil, Rosin

RHENIUM, METAL

City Chem Corp
Fairmount Chem Co (P)
Var-Lac-Oid Chem Co (P)

Bram Metallurgical-Chem Co (P)
J A Samuel & Co (P)

RHODAMINE

►DU PONT, PIGMENTS DEPT (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Pylam Products Co (P)

Brothers Chem Co (P)

RHODINOL

Fritzsche Bros (P)
Givaudan-Delawanna (P)
International Flavors & Fragrances (P)
George Lueders & Co (P)

Descollanges, Inc (P)
Magnus, Mabee & Reynard (P)
Noville Essential Oil Co (P)
Rhodia, Inc (P)
Shulton, Inc (P)

RHODIUM CHLORIDE

Var-Lac-Oid Chem Co (P)

J Bishop & Co Platinum Works (P)
Bram Metallurgical-Chem Co (P)
Chemical Commerce (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)

RHODIUM, METAL

Fairmount Chem Co (P)
D F Goldsmith Chem & Metal Corp
Var-Lac-Oid Chem Co (P)

J Bishop & Co Platinum Works (P)
Bram Metallurgical-Chem Co (P)
Engelhard Industries (P)
Metals & Controls Inc (P)
J A Samuel & Co (P)

RIBOFLAVIN (Vitamin B_2)

Browning Chem Corp (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
Hoffman Labs
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Thompson-Hayward Chem Co
George Uhe Co
Vitamins, Inc

American Cyanamid Co, Fine Chems Dept (P)
E F Drew & Co (P)
Grain Processing Corp (P)
Hoffmann-La Roche (P)
Pabst Brewing Co (P)
Roselle Labs (P)

ROCHELLE SALT see Potassium-Sodium Tartrate

ROCK SALT see Sodium Chloride

ROCK SALT MOSS see Moss, Irish

RODENTICIDES

►BAIRD CHEM INDUSTRIES, INC
Dow Chem Co (P)
►S B PENICK & CO (P)
Roberts Chems, Inc (P)
Thompson-Hayward Chem Co (P)

Amchem Products (P)
Ampion Corp (P)
Biorganic Labs (P)
Chemical Insecticide Corp (P)
B R Elk & Co (P)
Pierce Chem Co (P)
Prentiss Drug & Chem Co (P)
Solvit Chem Co (P)
Triangle Chem Co (P)
Woodbury Chem Co (P)
York Chem Co (P)

ROOTS, HERBS & BARKS, CRUDE

►S B PENICK & CO

Hathaway Allied Products (P)
Prentiss Drug & Chem Co (P)

ROSE VITRIOL see Cobalt Sulfate

ROSIN AMINES

Hercules Powder Co (P)

Eastern Color & Chem Co (P)

ROSIN, DISPROPORTIONATED

Hercules Powder Co (P)
National Resin Oil Products (P)

Dixie Pine Products Co (P)

ROSIN, GUM (Colophony, Pine Resin, Abietic Anhydride, Yellow Resin, Resina)

Hercules Powder Co (P)
►JONES CHEMS, INC
E & F King & Co
Thompson-Hayward Chem Co

ROSIN, HYDROGENATED

Hercules Powder Co (P)

ROSIN, LIMED

S L Abbot Co
Harwick Standard Chem Co
Hercules Powder Co (P)

Alkydol Labs (P)
Dixie Pine Products Co (P)
C J Osborn Co (P)
G S Ziegler & Co (P)

ROSIN, POLYMERIZED

S L Abbot Co
Hercules Powder Co (P)

G S Ziegler & Co (P)

PICCO
RUBBER COMPOUNDING PRODUCTS

Synthetic Resins
Reclaiming Oils
Plasticizers

THE TRADEMARK OF QUALITY

Pennsylvania Industrial Chemical Corp.
Clairton, Pennsylvania
Plants:
Clairton, Pa.; West Elizabeth, Pa.; and Chester, Pa.
Sales Offices:
Boston, Chicago, Cincinnati, Dallas, Detroit, Jacksonville, Houston, Los Angeles, New Orleans, New York, Philadelphia, Pittsburgh

ROSIN, TALL OIL

S L Abbot Co
Arizona Chem Co (P)
Hercules Powder Co (P)
Kraft Chem Co
►MONSANTO CHEM CO (P)
Union Bag-Camp Paper Corp (P)
W Va Pulp & Paper Co, Industrial Chem Sales Div (P)
K A Steel Chems Inc (P)

ROSIN, TURPENTINE see Rosin, Gum

ROSIN, WOOD (Colophony)

S L Abbot Co
Harwick Standard Chem Co
Hercules Powder Co (P)
Thompson-Hayward Chem Co
Dixie Pine Products Co (P)

ROSINOL see Oil, Rosin

ROSS' WHITE see Lithopone

ROTENONE

Fairfield Chems Div (P)
►S B PENICK & CO (P)
Thompson-Hayward Chem Co
Chemical Insecticide Corp (P)
Prentiss Drug & Chem Co (P)

ROTTEN STONE see Tripoli

ROUGE, POLISHING see Iron Oxide, Red

RUBBER, CHLORINATED

Chemical Mfg Co
►DU PONT, ELASTOMERS DEPT (P)
Gates Engrg Co (P)
Hercules Powder Co (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Clarkson Labs (P)

RUBBER COMPOUNDING MATERIALS
—see also Antioxidants, Accelerators, Softeners, Reinforcing Agents, Pigments, etc.

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
American Oil & Supply Co (P)
Amoco Chems Corp (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Baker Castor Oil Co (P)
Cabot Corp (P)
Columbian Carbon Co (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, ELASTOMERS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
Emery Industries (P)
Esso Standard Oil (P)
Fallek Chem Corp

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

COMPOUNDING MATERIALS
for Rubber and Plastics

Acids—
fatty—vegetable, tallow oil
Antioxidants—
Nonox WSP, WSL, CI
Blowing Agents—
Vulcacel BN, B-40
Casein—
domestic and imported
Cements—
rubber-to-metal (Thixons)
Clay—
hard, soft, water fractioned
Colors—
Stan-Tone® Dry Colors
Stan-Tone MB (Rubber Masterbatch)
Stan-Tone PC (Pigment in Plasticizer)
Stan-Tone PE (Polyethylene Concentrates)
Stan-Tone PEP (Polyester Pastes)
Crayons—Stan-Mark
for rubber marking
Flock—
all colors
Magnesia Products—
carbonates
oxides (extra light, light, medium and heavy)
GENMAG MLW
STAN-MAG 100
Mold Lubricants
Plasticizers—
all types
Plastone ®
Reclaiming Agents
Resins—
Piccopale
Picco
Picco N
Piccolyte
Piccotex
Piccoflex
Piccolastic
Piccodiene
Resinex®
Vulcanized Vegetable Oils—
rubber substitutes
Stan-Shell Flour—
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SAGO FLOUR
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SAL AMMONIAC see Ammonium Chloride

SAL CHALYBIS see Ferrous Sulfate

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Fisher Scientific Co
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SALICYLIC ALDEHYDE see Salicylaldehyde

SALIGENIN
RSA Corp (P)

SALIMENTHOL see Methyl Salicylate

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Mallinckrodt Chem Works (P)
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Heyden Newport Chem Corp (P)
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SAL PRUNELLA see Potassium Nitrate

SALT CAKE see Sodium Sulfate

SALT, DIURETIC see Potassium Acetate

SALT OF LEMON see Potassium Binoxalate

SALT OF LEMERY see Potassium Sulfate

SALTPETER see Potassium Nitrate

SALT, SEA see Sodium Chloride

SALT OF SORREL see Potassium Binoxalate

SALT, TABLE see Sodium Chloride

SALT OF TARTAR see Potassium Carbonate

SALT, TASTELESS see Sodium Phosphate

SALT, TRUE see Caffeine, Citrated

SALTS OF VITRIOL see Zinc Sulfate

SALTS OF WORMWOOD see Potassium Carbonate

SALZBURG VITRIOL see Copper Sulfate

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Research Chems (P)
Xanthippe Chems (P)

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Var-Lac-Old Chem Co (P)
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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
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►HARSHAW CHEM CO (P)
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Chemical Coatings & Engrg Co (P)
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Fuld Bros (P)
Industrial Chem Specialties Co (P)
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Harwick Standard Chem Co
Tamms Industries
Union Carbide Corp, Silicones Div (P)
Arol Chem Products (P)
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Continental Chem Co (P)
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E F Drew & Co (P)
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SILVER, COLLOIDAL

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Heyden Newport Chem Corp (P)

SILVER CYANATE

City Chem Corp (P)
Var-Lac-Old Chem Co (P)

SILVER CYANIDE

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Goldsmith Bros Div (P)
D F Goldsmith Chem & Metal Corp
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Engelhard Industries (P)
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SILVER FLUORIDE

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City Chem Corp (P)
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Var-Lac-Old Chem Co (P)

SILVER IODATE

Fisher Scientific Co (P)
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RSA Corp (P)
Var-Lac-Old Chem Co (P)

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Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

Engelhard Industries (P)
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Mallinckrodt Chem Works (P)
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Metals & Controls Inc (P)
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Texas American Mercury Co (P)
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Var-Lac-Old Chem Co (P)

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see Mineral Black

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Hart Products Corp (P)
Industrial Materials Co (P)
Mona Industries (P)
Oil-Kraft, Inc (P)
Scher Bros (P)
A E Staley Mfg Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Swift & Co, General Soap Dept (P)
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Diamond Alkali Co (P)
Dow Chem Co (P)
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►FMC CORP, MINERAL PRODUCTS DIV (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
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►WYANDOTTE CHEMS CORP (P)

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Globe Chem Co
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SODA ASH

For further information, see our catalog on pages 203-206.

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MICHIGAN ALKALI DIVISION
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Millmaster Chem Corp
►MONSANTO CHEM CO (P)
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Pennsalt Chems Corp (P)
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Oronite Div (P)
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Tanatex Chem Corp (P)
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SODIUM ALUMINUM SILICATE

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SODIUM ALUMINUM SULFATE see Alum, Sodium

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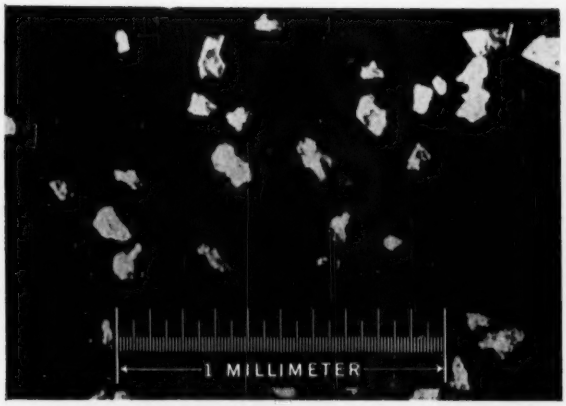
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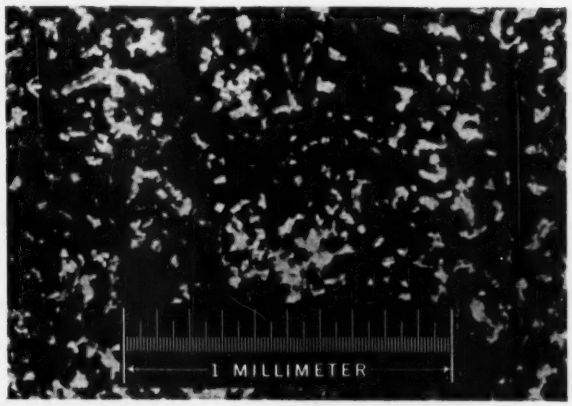
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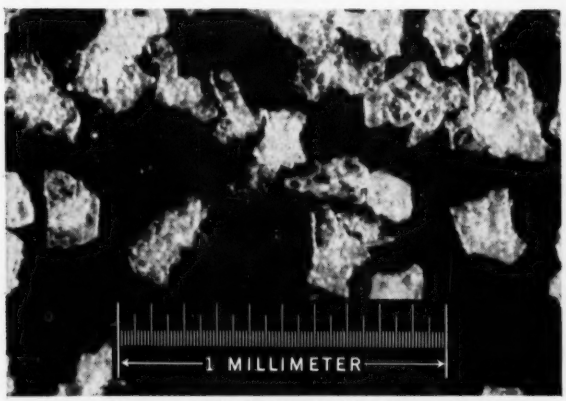
42 Mesh	Trace	200 Mesh	35.0%
100 Mesh	.5%	325 Mesh	70.0%
170 Mesh	20.0%	400 Mesh	80.0%



Sodium Bicarbonate U.S.P. Fine Powdered No. 3DF for use specifically in dry powder fire extinguisher mixes, also in rubber and plastics blowing, lubricant for sheet vinyl.

TYPICAL SCREEN ANALYSIS
CUMULATIVE PERCENT RETAINED BY

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TYPICAL SCREEN ANALYSIS
CUMULATIVE PERCENT RETAINED BY

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65 Mesh	27.0%	170 Mesh	99.0%
80 Mesh	66.5%		



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TYPICAL SCREEN ANALYSIS
CUMULATIVE PERCENT RETAINED BY

42 Mesh	Trace	200 Mesh	35.0%
100 Mesh	.5%	325 Mesh	70.0%
170 Mesh	20.0%	400 Mesh	80.0%

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Sodium Metasilicate Crystal and Anhydrous
Sodium Phosphate Dibasic
Sodium Phosphate Tribasic
Sodium Silicofluoride
Sodium Silicate
Sodium Sulfate
Sodium Sulfite, Anhydrous
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WYANDOTTE CHEMICALS
MICHIGAN ALKALI DIVISION
WYANDOTTE, MICHIGAN

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►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
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►HARSHAW CHEM CO
Philip A Hunt Co
E & F King & Co
Mallinckrodt Chem Works (P)
Millmaster Chem Corp
►MONSANTO CHEM CO (P)
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J U Starkweather Co

Virginia Smelting Co (P)

SODIUM BISULFITE, ANHYDROUS

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Globe Chem Co
J F Henry Chem Co
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Virginia Smelting Co (P)

SODIUM m-BISULFITE

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SODIUM m-BORATE

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SODIUM BROMIDE

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SODIUM CARBOLATE see Sodium Phenate

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ANTARA CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)

SODIUM METHYL AMYLATE

►BENZOL PRODUCTS CO (P)

SODIUM METHYLARSENATE see Disodium Methylarsenate

SODIUM METHYLATE

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►See catalog advertisement (Advertisers Index)
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Prentiss Drug & Chem Co (P)

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Eastern Color & Chem Co (P)
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SODIUM OXIDE see Sodium Monoxide

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J F Henry Chem Co
US Borax (P)

SODIUM PENTACHLORAPHENATE

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Dow Chem Co (P)
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►BECCO CHEM DIV (P)
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►BERKSHIRE CHEMS INC
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Fisher Scientific Co (P)
Globe Chem Co
M W Hardy & Co
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Industrial Chem & Dye Co
International Selling Corp
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Mallinckrodt Chem Works (P)
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►S B PENICK & CO, NYQ CHEM DIV (P)
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Riches-Nelson, Inc
Samincorp
J U Starkweather Co
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Thompson-Hayward Chem Co
Joseph Turner & Co
Valchem

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Fisher Scientific Co (P)

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Dow Chem Co (P)
Fine Organics (P)

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SODIUM PHENOLATE see Sodium Phenate

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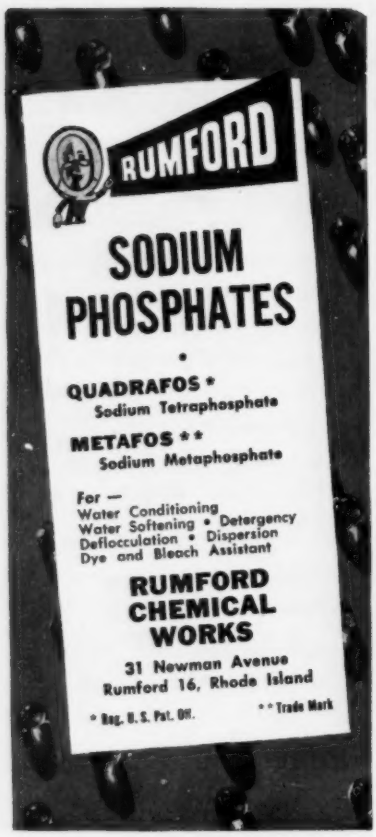
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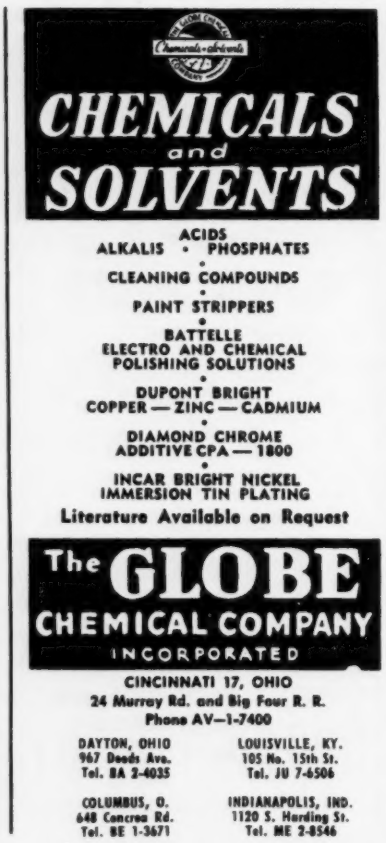
SODIUM PHOSPHATE, DIBASIC Disodium Phosphate, Disodium o-Phosphate, Hydrodisodium Phosphate)
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►AMERICAN AGRICULTURAL CHEM CO (P)
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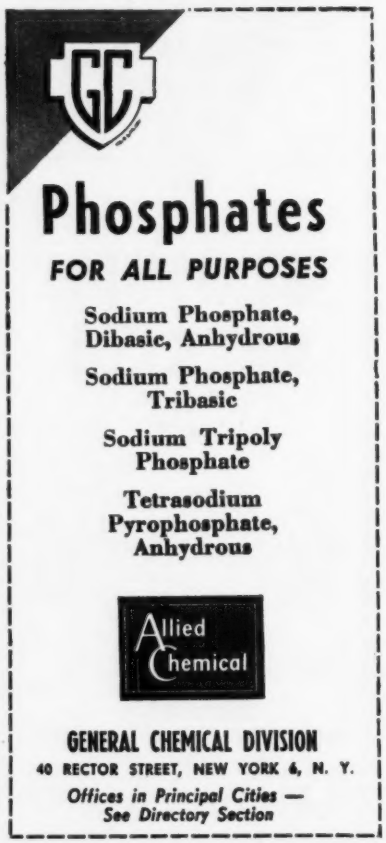
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Riches-Nelson, Inc
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A R Maas Chem Co Div (P)

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Lotte Chem Corp
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Diamond Alkali Co (P)
Globe Chem Co
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International Selling Corp
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Philadelphia Quartz Co of Cal (P)

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Globe Chem Co
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Lotte Chem Corp
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Opalco Lab
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
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Physical and Chemical Properties

SODIUM SILICATE liquids range in ratio of $\%Na_2O$: $\%SiO_2$ from 1:3.75 to 1:1.60; from slightly sticky thin fluids to heavy viscous fluids that barely flow. Generally, as the alkali content increases, the silicate becomes tackier. Commercial solutions are colloidal. They set by removal of comparatively small amounts of water; thus, their wide usefulness as adhesives and binders. Freezing point: Slightly lower than that of water. May be thawed and mixed to restore original properties. Solvent: Water. All sodium silicates are alkaline in reaction. At full concentration pH of least alkaline liquid (S 35) is 10.8; most alkaline solution (B-W) is 12.8.

DRY FORMS lump and powdered products ratio $\%Na_2O$: $\%SiO_2$ 1:3.22 to 1:2. Anhydrous lump and powdered silicates of low soda ratio are difficult to dissolve. Hydrated powders are easily soluble.

SODIUM METASILICATE ($Na_2SiO_3.5H_2O$) hydrated form contains approximately 29.5% Na_2O, 28.7% SiO_2, 41.7% water. Free-flowing granules readily soluble in hot or cold water. Sodium metasilicate anhydrous (Na_2SiO_3) 51% alkali (Na_2O), water-free.

SODIUM SESQUISILICATE ($Na_3HSiO_4.5H_2O$). Approximately 36.7% Na_2O, 24.2% SiO_2. Completely soluble with only slight positive heat of solution.

SODIUM ORTHOSILICATE ($2Na_2O:SiO_2$) concentrated. Sodium oxide content runs approximately 60%; soluble silica, one half this. pH of 1% solution is 13.0.

TRADEMARKS REG. U.S. PAT. OFF.

POTASSIUM SILICATES Solutions with silica to potassium oxide percentage ratios of 2.1, 2.2 and 2.5. Lump and powder forms have a percentage ratio of 1:2.50. In most respects potassium silicates are similar to sodium silicate. Used where presence of sodium is objectionable, i.e., non-blooming films, flux coatings for welding rods, cathode ray tube binders; also as a builder in liquid and paste soaps; as a binder in refractory cements.

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SODIUM SUBSULFITE see Sodium Thiosulfate

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SODIUM SULFAMERAZINE see Sulfamerazine Sodium

SODIUM 2-SULFANILAMIDOPYRIMIDINE see Sulfadiazine Sodium

SODIUM SULFANILAMIDE see Sulfanilamide Sodium

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SODIUM SULFHYDRATE see Sodium Hydrosulfide

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Process Chem Specialties (P)
Procter & Gamble Co (P)
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Sandoz, Inc (P)
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Titan Chem Products (P)
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Wica Chems (P)
Wye Industries (P)

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Olin Mathieson Chem Corp, Blockson Chems (P)
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Berkshire Color & Chem Corp (P)
Britex Corp (P)
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Emkay Chem Co
W F Fancourt Co (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
Ideal Chem & Supply Co (P)
Hart Products Corp (P)
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Mona Industries (P
Oakite Products (P)
Pro-Chem, Inc (P)
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E W Smith Chem Co (P)
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Titan Chem Products (P)
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SOIL CONDITIONERS

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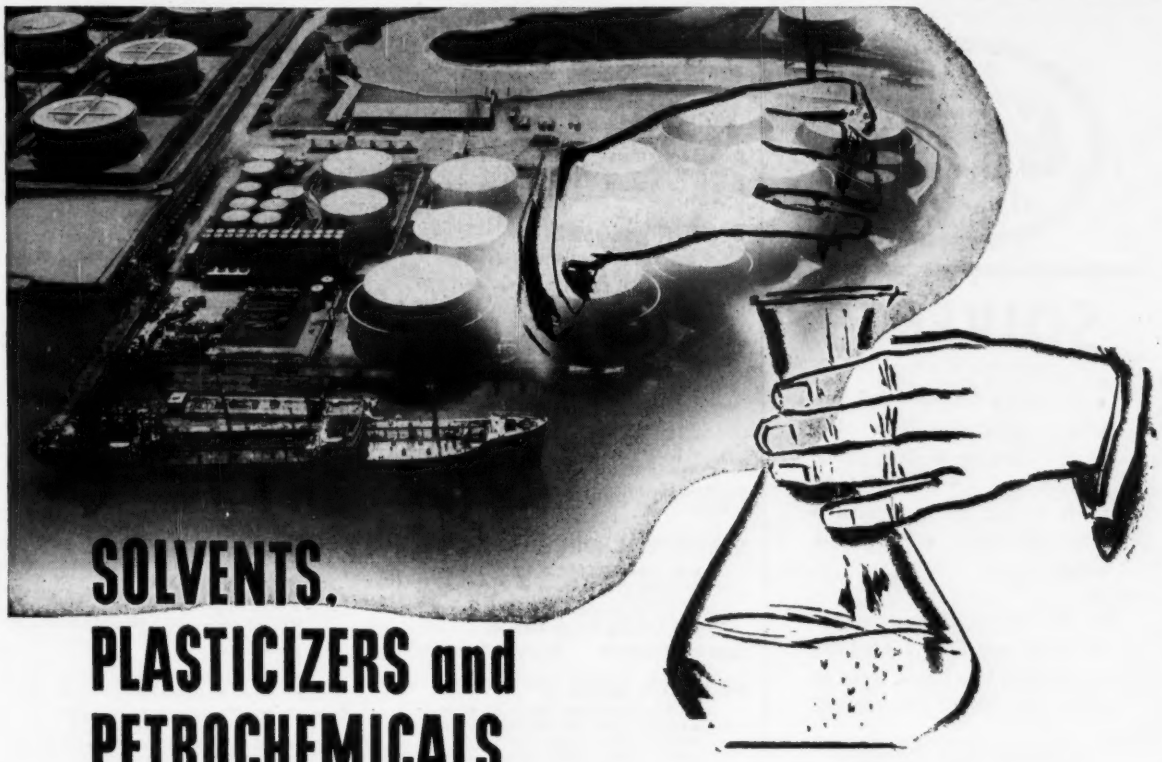
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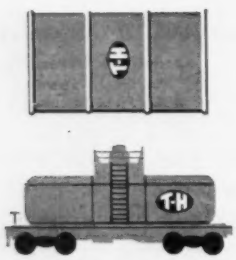
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Allied Industrial Products Co (P)
Atlantic Refining Co (P)
Borden Chem Co (P)
B R Elk & Co (P)
Hukill Chem Co (P)
Monroe Sander Corp (P)
National Chem & Plastics Co (P)
National Starch Products (P)
Pierce & Stevens Chem (P)
Potter Paint Co (P)
R & A Leather Finish Co (P)
Signal Oil & Gas Co (P)
United Lacquer Mfg Corp (P)

SOLVENTS, METAL DEGREASING

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Chemsol, Inc (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Esso Standard Oil (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Fine Organics (P)
Fisher Scientific Co (P)
Globe Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
International Selling Corp
Olin Mathieson Chem Corp, Organic Chems (P)
►MONSANTO CHEM CO (P)
National Chem & Plastics Co (P)
►PEERLESS OIL & CHEM CORP
Phillips Petroleum Co, Special Products Div (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
►STAUFFER CHEM CO (P)
►SUN OIL CO (P)
Tect, Inc
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

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Ampion Corp (P)
Arol Chem Products (P)
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Bennett Inc (P)
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Oakite Products (P)
Pierce & Stevens Chem (P)
Pro-Chem, Inc (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
Sumco Products (P)
Wica Chems (P)
Wye Industries (P)

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American Mineral Spirits Co (P)
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Amoco Chems Corp (P)
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Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Delhi-Taylor Oil Corp (P)
Pennsylvania Refining Co (P)
Shell Oil Co (P)
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Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
Tenneco Oil Co (P)
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Dow Chem Co. (P)
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►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Publicker Industries.. Inc (P)
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Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Allied Industrial Products Co (P)
Crowley Tar Products Co (P)
National Chem & Plastics Co (P)
Potter Paint Co (P)
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Dow Chem Co (P)
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Arol Chem Products (P)
Barco Chem Products Co (P)
Dacar Chem Products (P)
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Fine Organics (P)
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Tect..Inc
Wollen Chem & Supply Co
Arol Chem Products (P)
Eastern States Petroleum & Chem Corp (P)
Signal Oil & Gas Co (P)
Sumco Products (P)
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►MODERN SOLVENTS & CHEMS CORP (P)
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►MONSANTO CHEM CO (P)
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Olin Mathieson Chem Corp, Organic Chems (P)
Oronite Div (P)
►PEERLESS OIL & CHEM CORP
Phillips Petroleum Co, Special Products Div
PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►QUAKER OATS CO (P)
Schollo Chem Corp
►SHELL CHEM CO (P)
►SINCLAIR PETROCHEMS (P)
►SONNEBORN CHEM & REFINING CORP (P)
►STAUFFER CHEM CO (P)
►SUN OIL CO (P)
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Arco Co (P)
Atlantic Refining Co (P)
Borden Chem Co (P)
Delhi-Taylor Oil Corp (P)
Eureka Chem Co (P)
Hukill Chem Co (P)
Monroe Sander Corp (P)
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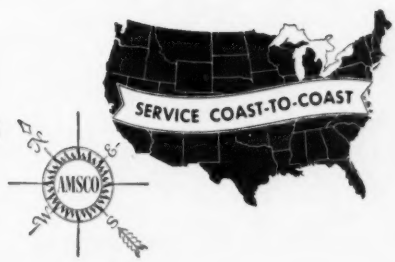
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Pennsylvania Refining Co (P)
Pierce & Stevens Chem (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
Sumco Products (P)
Tenneco Oil Co (P)
Texaco Inc (P)
United Fuel Gas Co (P)
Velsicol Chem Corp (P)

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►ENJAY CHEM CO (P)
Fine Organics (P)
►JONES CHEMS, INC
►PEERLESS OIL & CHEM CORP
Publicker Industries, Inc (P)
►SHELL CHEM CO (P)
Tect, Inc
Union Carbide Chems Co (P)
►U S INDUSTRIAL CHEMS CO (P)

Allied Industrial Products Co (P)
Eureka Chem Co (P)
Mona Industries (P)
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SOLVENTS, RESIN

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Amoco Chems Corp (P)
Antara Chems Div (P)
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►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►EASTMAN CHEM PRODUCTS (P)
►ENJAY CHEM CO (P)
Esso Standard Oil (P)
Mercury Chem Corp
Neville Chem Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Oronite Div (P)
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Phillips Petroleum Co, Special Products Div (P)
►SHELL CHEM CO (P)
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►STAUFFER CHEM CO (P)
Stoney-Mueller, Inc
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Tect, Inc
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►STAUFFER CHEM CO (P)
Stoney-Mueller, Inc
►SUN OIL CO (P)
Tect, Inc
Union Carbide Chems Co (P)

Crowley Tar Products Co (P)
Edcan Labs (P)
B R Elk & Co (P)
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Heyden Newport Chem Corp (P)
Pierce & Stevens Chem (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Socony Mobil Oil Co (P)
United Fuel Gas Co (P)
Velsicol Chem Corp (P)

SOLVENTS, SHELLAC

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American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
►COMMERCIAL SOLVENTS CORP (P)
Dow Chem Co (P)
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►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
►ENJAY CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
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Schelle Chem Corp
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Stoney-Mueller, Inc
Union Carbide Chems Co (P)

Allied Industrial Products Co (P)
National Chem & Plastics Co (P)
Pierce & Stevens Chem (P)

SOLVENTS, SPECTROPHOTOMETRIC

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Phillips Petroleum Co, Special Products Div (P)

Matheson Coleman & Bell (P)

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American Mineral Spirits Co (P)
Givaudan-Delawanna (P)
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SOLVENTS, VARNISH

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American Oil & Supply Co (P)
Ameco Chems Corp (P)
R J Brown Co
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Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
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Fine Organics (P)
Neville Chem Co (P)
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Union Carbide Chems Co (P)

Atlantic Refining Co (P)
Delhi-Taylor Oil Corp (P)
Eastern States Petroleum & Chem Corp (P)
Hukill Chem Co (P)
Monroe Sander Corp (P)
Shell Oil Co (P)
Velsicol Chem Corp (P)

SORBIDE (Dianhydrosorbitol)

Atlas Chem Industries, Chems Div (P)

SORBIDES see Sorbitol Esters

SORBITAN ESTERS (Monoanhydrosorbitol Esters)

Atlas Chem Industries, Chems Div (P)
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Merck Chem Div (P)

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SORENSEN'S PHOSPHATE see Sodium Phosphate, Tribasic

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Cowles Chem Co (P)
Diamond Alkali Co (P)
H Kohnstamm & Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Pennsalt Chems Corp (P)
Tennessee Corp (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)
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Aluminum Co of America (P)
Chicago Sanitary Products Co (P)
Fiber Chem Corp (P)
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SPANISH WHITE see Bismuth Subnitrate

SPANISH WHITING see Calcium Carbonate

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Prentiss Drug & Chem Co (P)
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SPIRIT OF WINE see Alcohol, Ethyl

SPIRITS OF HARTSHORN see Ammonia, Aqua

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R J Brown Co
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Shell Oil Co (P)
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Var-Lac-Old Chem Co

Foote Mineral Co (P)

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American Mineral Spirits Co (P)
Maher Color & Chem Co (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

Afta Solvents Corp (P)
Clarkson Labs (P)
Dixo Co (P)
E F Drew & Co (P)

SPRAY BASES, AGRICULTURAL

American Mineral Spirits Co (P)
H J Baker & Bro
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Hercules Powder Co (P)
Phillips Petroleum Co, Special Products Div (P)
►SONNEBORN CHEM & REFINING CORP (P)
►STAUFFER CHEM CO (P)
►SUN OIL CO (P)
Thompson-Hayward Chem Co (P)
Union Carbide Chems Co (P)

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Eastern States Petroleum & Chem Corp (P)
Miller Products Co (P)
Norton Chem Works (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Triangle Chem Co (P)
Woodbury Chem Co (P)

SPRAY BASES, CATTLE

Diamond Alkali Co (P)
Dow Chem Co (P)
Hercules Powder Co (P)
McLaughlin Gormley King Co (P)
Phillips Petroleum Co, Special Products Div (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
►SONNEBORN CHEM & REFINING CORP (P)
Thompson-Hayward Chem Co (P)

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Eastern States Petroleum & Chem Corp (P)
Miller Products Co (P)
Shell Oil Co (P)
Pennsylvania Refining Co (P)
Prentiss Drug & Chem Co (P)
Socony Mobil Oil Co (P)
Woodbury Chem Co (P)

SPRAY BASES, FLY

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Diamond Alkali Co (P)
Hercules Powder Co (P)
McLaughlin Gormley King Co (P)
Phillips Petroleum Co, Special Products Div (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
►SONNEBORN CHEM & REFINING CORP (P)
Thompson-Hayward Chem Co (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)

Atlantic Refining Co (P)
Crowley Tar Products Co (P)
Eastern States Petroleum & Chem Corp (P)
Miller Products Co (P)
Pennsylvania Refining Co (P)
Prentiss Drug & Chem Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)

SPRAYS, NUTRITIONAL FOLIAGE

►AMERICAN POTASH & CHEM CORP (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Thompson-Hayward Chem Co (P)

Amchem Products (P)
Crown Zellerbach Corp (P)
Ortho Div (P)
Socony Mobil Oil Co (P)
Triangle Chem Co (P)
Woodbury Chem Co (P)

SPREADERS, AGRICULTURAL SPRAY

Antara Chems Div (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Rohm & Haas Co (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
Thompson-Hayward Chem Co (P)
►WITCO CHEM CO (P)

Los Angeles Chem Co (P)
Miller Products Co (P)
National Casein Co (P)
Ortho Div (P)
Woodbury Chem Co (P)

STABILIZERS

►AIR REDUCTION CHEM & CARBIDE CO (P)
Argus Chem Corp (P)
Cabot Corp (P)
Chemical Affiliates (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
►HARSHAW CHEM CO (P)
Hercules Powder Co (P)
Merck Chem Div (P)
►METAL & THERMIT CORP (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
►PHILADELPHIA QUARTZ CO (P)
Stein Hall & Co (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
American Maize Products Co (P)
Atlantic Chem Corp (P)
Carlisle Chem Works (P)
Crown Zellerbach Corp (P)
Deecy Products Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Halby Products Co (P)
C P Hall Co (P)
Marine Colloids (P)
Mathe Chem Co (P)
McGean Chem Co (P)
Edward Mendell Co (P)
Naugatuck Chem Div (P)
Process Chem Specialties (P)
Raybo Chem Co (P)
W Va Pulp & Paper Co, Polychems Div (P)

STABILIZERS, HEAT-RESISTANT

Argus Chem Corp (P)
►ETHYL CORP (P)
►HARSHAW CHEM CO (P)
►METAL & THERMIT CORP (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Stein Hall & Co (P)

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Arnold, Hoffman & Co (P)
Deecy Products Co (P)
Ferro Chem Div (P)
Halby Products Co (P)
Minnesoto Mining & Mfg Co, Chem Div (P)
Naugatuck Chem Div (P)
R T Vanderbilt Co (P)

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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Argus Chem Corp (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
►ETHYL CORP (P)
►HARSHAW CHEM CO (P)
►METAL & THERMIT CORP (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Synthetic Chems (P)
Union Carbide Chems Co (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
►WITCO CHEM CO (P)

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Arnold, Hoffman & Co (P)
Deecy Products Co (P)
Ferro Chem Div (P)
J P Frank Chem Corp (P)
Geigy Industrial Chems (P)
Marine Colloids (P)
Merix Chem Co (P)
Naugatuck Chem Div (P)
R T Vanderbilt Co (P)

STABILIZERS, PAINT EMULSIONS

Antara Chems Div (P)
Armour Industrial Chem Co (P)
Baker Castor Oil Co (P)
Dow Chem Co (P)
General Mills, Chem Div (P)
Glyco Chems (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Synthetic Chems (P)
Union Carbide Chems Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Borden Chem Co (P)
Geigy Industrial Chems (P)
Gray Chem (P)
C P Hall Co (P)
National Casein Co (P)
Mona Industries (P)
Raybo Chem Co (P)
A E Staley Mfg Co (P)

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Burtonite Co (P)
T M Ducho & Sons, Uni-Gum Div (P)
Meer Corp (P)
Stein Hall & Co (P)

Dominion Products (P)
Marine Colloids (P)
Edward Mendell Co (P)

STABILIZERS, VINYL

Argus Chem Corp (P)
Baker Castor Oil Co (P)
Cardinal Stabilizers (P)
Chemical Affiliates (P)
►EASTMAN CHEM PRODUCTS (P)
►HARSHAW CHEM CO (P)
Hercules Powder Co (P)
►METAL & THERMIT CORP (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
Synthetic Chems (P)
Union Carbide Chems Co (P)
►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Arnold, Hoffman & Co (P)
Deecy Products Co (P)
Ferro Chem Div (P)
Firestone Plastics Co (P)
J P Frank Chem Corp (P)
C P Hall Co (P)
Naugatuck Chem Div (P)
Norton Chem Works (P)
Shepherd Chem Co (P)
R T Vanderbilt Co (P)

STAINS, BIOLOGICAL

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Eastern Chem Corp (P)
Pylam Products Co (P)

Belray Chem Co (P)
Borden Chem Co (P)
Hartman-Leddon Co (P)
Matheson Coleman & Bell (P)

STAINS, CERAMIC BODY & SLIP

►DU PONT, ELECTROCHEMS DEPT (P)
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B F Drakenfeld & Co (P)
Los Angeles Chem Co (P)
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Improve your vinyl plastic stocks with these stabilizers

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STARCH, CASSAVA see Tapioca Flour

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Stein Hall & Co

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Grain Processing Corp (P)
Hubinger Co (P)
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Magnet Cove Barium Corp (P)
Keever Starch Co (P)
Penick & Ford, Ltd (P)
A E Staley Mfg Co (P)
National Starch & Chem Corp (P)
Union Starch & Refining Co (P)

STARCH IMPROVERS

►ALLIED CHEM CORP, NITROGEN DIV (P)
Atlas Chem Industries, Chems Div (P)
Burtonite Co (P)
Union Carbide Chems Co (P)

Heyden Newport Chem Corp (P)
Hodag Chem Corp (P)

STARCH, POTATO

Mallinckrodt Chem Works (P)
Stein Hall & Co

Morningstar-Paisley, Inc (P)

STARCH, RICE

J F Henry Chem Co
Stein Hall & Co
Whittaker, Clark & Daniels

STARCH, SAGO

Stein Hall & Co

STARCH, WHEAT

General Mills, Specialty Products Div (P)
Hercules Powder Co (P)
Stein Hall & Co

Keever Starch Co (P)

STARCHES, LAUNDRY

Cowles Chem Co
Hercules Powder Co (P)
H Kohnstamm & Co (P)
Pennsalt Chems Corp (P)
Welch, Holme & Clark Co
►WYANDOTTE CHEMS CORP (P)

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Clinton Corn Processing Co (P)
Corn Products Co (P)
Hubinger Co (P)
Kaysing Corp (P)
Keever Starch Co (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
Polyvinyl Chems (P)
A E Staley Mfg Co (P)

STARCHES, PAPER

General Mills, Specialty Products Div (P)
Stein Hall & Co

Anheuser-Busch (P)
Archer-Daniels-Midland Co (P)
Clinton Corn Processing Co (P)
Corn Products Co (P)
Grain Processing Corp (P)
Hubinger Co (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
A E Staley Mfg Co (P)
Union Starch & Refining Co (P)

STARCHES, SOLUBLE

Cowles Chem Co
Mallinckrodt Chem Works (P)
►MILES CHEM CO (P)
Stein Hall & Co (P)

American Maize Products Co (P)
Anheuser-Busch (P)
Corn Products Co (P)
Keever Starch Co (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
Premium Chems (P)
A E Staley Mfg Co (P)
Union Starch & Refining Co (P)

STARCHES, SYNTHETIC

Union Carbide Chems Co (P)

Hart Products Corp (P)
Polyvinyl Chems (P)
Morningstar-Paisley, Inc (P)

STARCHES, TEXTILE

Hercules Powder Co (P)
General Mills, Specialty Products Div (P)
Stein Hall & Co

Anheuser-Busch (P)
Bryant Chem Corp (P)
Clinton Corn Processing (P)
Corn Products Co (P)
Emkay Chem Co (P)
Grain Processing Corp (P)
Hubinger Co (P)
Kaysing Corp (P)
Keever Starch Co (P)
Morningstar-Paisley, Inc (P)
National Starch & Chem Corp (P)
Penick & Ford, Ltd (P)
A E Staley Mfg Co (P)
Union Starch & Refining Co (P)

STEARATES, METALLIC see Soaps, Metallic

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Marcus Ruth Jerome Co (P)
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►WILSON-MARTIN (DIV WILSON & CO) (P)

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E F Drew & Co (P)
Geo Pfau's Sons Co (P)
Reilly-Whiteman-Walton Co (P)

STEARYL ACID PHOSPHATE

►VIRGINIA-CAROLINA CHEM CORP (P)

STEATITE see Talc

STEINBUHL YELLOW see Barium Chromate

STERILIZING AGENTS

American Oil & Supply Co (P)
Armour Industrial Chem Co (P)
Dow Chem Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Pennsalt Chems Corp (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
►WYANDOTTE CHEMS CORP (P)

Guardian Chem Corp (P)
Hagan Chems & Controls (P)
Matheson Co (P)
Heyden Newport Chem Corp (P)
Norton Chem Works (P)

STEROLS

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Creda, Inc (P)
General Mills, Chem Div (P)

Roselle Labs (P)

STIBIUM see Antimony, Metal

STICK LAC see Shellac

STIFFENERS, LEATHER

Burtonite Co (P)
Maher Color & Chem Co (P)
Union Carbide Chems Co (P)

Adhesive Products Corp (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Imperial Adhesives (P)
National Chem & Plastics Co (P)
Seaboard Chems (P)
UBS Chem Corp (P)
Warwick Chem Div (P)

STIFFENERS, TEXTILE

►AIR REDUCTION CHEM & CARBIDE CO (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Burtonite Co (P)
Concord Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Maher Color & Chem Co (P)
►ONYX CHEM CORP (P)
Rohm & Haas Co (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
Valchem (P)

Adhesive Products Corp (P)
Arnold, Hoffman & Co (P)
Bryant Chem Corp (P)
Ciba Co (P)
Continental Chem Co (P)
Eastern Color & Chem Co (P)
Fabric Chem Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
National Chem & Plastics Co (P)
Metro-Atlantic, Inc (P)
Morningstar-Paisley, Inc (P)
Scher Bros (P)
Scholler Bros (P)
A E Staley Mfg Co (P)
Swift & Co, Adhesive Products Dept (P)
Standard Chem Products (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Wica Chems (P)

STILICEOUS SINTER see Fluorspar

STODDARD SOLVENT

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
►CHEMICAL SOLVENTS, INC
Esso Standard Oil (P)
Fisher Scientific Co
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
►SINCLAIR PETROCHEMS (P)
►SUN OIL CO (P)
Thompson-Hayward Chem Co

Arkansas Louisiana Chem Corp (P)
Delhi-Taylor Oil Corp (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Eastern States Petroleum & Chem Corp (P)

STOLZITE see Lead Tungstate

STONE FLAX see Asbestos

STREPTOMYCIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►ELI LILLY & CO, ELANCO DIV (P)
Merck Chem Div (P)
George Uhe Co

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►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
American Oil & Supply Co (P)
Diamond Alkali Co (P)
Fine Organics (P)
Globe Chem Co
Miller-Stephenson Chem Co (P)
►ONYX CHEM CORP (P)
Pennsalt Chems Corp (P)
►QUAKER OATS CO (P)
Trio Chem Works (P)
►WYANDOTTE CHEMS CORP (P)

Allied Finishing Specialties Co (P)
Ampion Corp (P)
Beck Equipment & Chem Co (P)
Bernard Chem (P)
Chemical Compounding Corp(P)
DuBois Co (P)
Eureka Chem Co (P)
Franklin Oil Corp (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
National Research & Chem Co (P)
Oakite Products (P)
Pro-Chem, Inc (P)
Sumco Products (P)

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STRIPPERS, TEXTILE

Antara Chems Div (P)
Maher Color & Chem Co (P)
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Tennessee Corp (P)

Arnold, Hoffman & Co (P)
Bryant Chem Corp (P)
Burkart-Schier Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Hagan Chems & Controls (P)
Legrand Chem Corp (P)
Metro-Atlantic, Inc (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Wye Industries (P)

STRONTIA see Strontium Oxide

STRONTIUM ACETATE

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Barium & Chems (P)

STRONTIUM BROMIDE

Dow Chem Co (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Barium & Chems (P)

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
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Davies Nitrate Co
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
Pfaltz & Bauer, Inc
Barium & Chems (P)
Foote Mineral Co (P)
Hummel Chem Co (P)

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Barium & Chems (P)

STRONTIUM CHLORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Mallinckrodt Chem Works (P)
Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM CHROMATE

Imperial Color Chem & Paper Dept (P)
Barium & Chems (P)

STRONTIUM DIOXIDE see Strontium Peroxide

STRONTIUM 2-ETHYLHEXOATE

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Shepherd Chem Co (P)
Troy Chem Co (P)

STRONTIUM FLUORIDE

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Mallinckrodt Chem Works (P)
Barium & Chems (P)

STRONTIUM HYDROXIDE

►J T BAKER CHEM CO (P)
►FMC CORP, MINERAL PRODUCTS DIV (P)
Sherwin-Williams Co (P)
Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM IODIDE

►S B PENICK & CO, NYQ CHEM DIV (P)
Barium & Chems (P)

STRONTIUM LACTATE

Barium & Chems (P)
Premium Chems (P)

STRONTIUM LAURATE

Argus Chem Corp (P)
Premium Chems (P)

STRONTIUM, METAL

Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)

STRONTIUM MONOXIDE see Strontium Oxide

STRONTIUM NAPHTHENATE

Advance Solvents & Chem Div (P)
Premium Chems (P)
Shepherd Chem Co (P)

STRONTIUM NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Croton Chem Corp
Davies Nitrate Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Mallinckrodt Chem Works (P)
Mineral Pigments Corp (P)
Wallach-Gracer Export Corp
Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM OXALATE

Barium & Chems (P)
Hummel Chem Co (P)
Premium Chems (P)

STRONTIUM OXIDE (Strontia, Strontium Monoxide)

Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM PERCHLORATE

Barium & Chems (P)

STRONTIUM PERMANGANATE

Carus Chem Co (P)

STRONTIUM PEROXIDE (Strontium Dioxide)

Wallach-Gracer Export Corp
Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM SALICYLATE

Dow Chem Co (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Barium & Chems (P)
Polychemical Labs (P)
Tennant Chem Div (P)

STRONTIUM STANNATE

►METAL & THERMIT CORP (P)
Premium Chems (P)

STRONTIUM STEARATE

Prior Chem Corp
►WITCO CHEM CO (P)
Premium Chems (P)

STRONTIUM SULFATE (Celestite)

Barium & Chems (P)
Foote Mineral Co (P)
Hummel Chem Co (P)
Mathe Chem Co (P)

STRONTIUM SULFIDE

Barium & Chems (P)
Hummel Chem Co (P)

STRONTIUM TITANATE

Var-Lac-Old Chem Co (P)
►TITANIUM ALLOY MFG DIV (P)
Titanium Pigment Corp (P)

STRONTIUM ZIRCONATE

►TITANIUM ALLOY MFG DIV (P)
Zirconium Corp of America (P)

STRYCHNINE

Mallinckrodt Chem Works (P)
Prentiss Drug & Chem Co (P)
Roselle Labs (P)

STRYCHNINE SALTS, OTHER

City Chem Corp
Prentiss Drug & Chem Co (P)
Roselle Labs (P)

STRYCHNINE SULFATE

Biddle Sawyer Corp
European Chem Co
Gallard-Schlesinger Chem Mfg Corp
Industrial Chem & Dye Co
Mallinckrodt Chem Works (P)
Prentiss Drug & Chem Co (P)
Roselle Labs (P)

STUFFING COMPOUNDS, LEATHER

►NOPCO CHEM CO (P)
►SONNEBORN CHEM & REFINING CORP (P)
E F Drew & Co (P)
Emkay Chem Co (P)
E F Houghton & Co (P)
Arthur C Trask Co (P)
Reilly-Whiteman-Walton (P)

STYRALYL ACETATE see Methyl Phenyl Carbinol Acetate

STYRAX BENZOIN see Gum, Benzoin

STYRENE COPOLYMERS

Degen Oil & Chem Co (P)
Dow Chem Co (P)
Gering Plastics (P)
►MONSANTO CHEM CO (P)
Atlantic Chem Corp (P)
Borden Chem Co (P)
Catalin Corp of America (P)
Dewey & Almy Chem Div (P)
Firestone Plastics Co (P)
Spencer Kellogg & Sons (P)
Koppers Co, Plastics Div (P)
Naugatuck Chem Div (P)
Polyvinyl Chems (P)
UBS Chem Corp (P)

STYRENE DIBROMIDE

Dow Chem Co (P)
Farchan Research Labs (P)
Borden Chem Co (P)

STYRENE MONOMER (Vinyl Benzene)

►BAIRD CHEM INDUSTRIES, INC
►CHEMICAL SOLVENTS, INC
Cosden Petroleum Corp (P)
Dow Chem Co (P)
Fallek Chem Corp
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Miller-Stephenson Chem Co
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
►SHELL CHEM CO (P)
Union Carbide Chems Co (P)

Archer-Daniels-Midland Co (P)
Koppers Co, Plastics Div (P)

STYRENE OXIDE (1,2-Epoxyethylbenzene)

Aldrich Chem Co (P)
Dow Chem Co (P)

SUCCINIC ACID PEROXIDE

Lucidol Div, Wallace & Tiernan Inc (P)

Fries Bros (P)

SUCCINIC ANHYDRIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
M W Hardy & Co

B L Lemke & Co (P)

SUCCINIMIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)

SUCCINONITRILE (Ethylene Cyanide)

Aldrich Chem Co (P)
K & K Labs (P)
RSA Corp (P)

American Cyanamid Co, Market Development Dept (P)

SUCCINYL CHOLINE

RSA Corp (P)

Borden Chem Co (P)
Roselle Labs (P)

SUCCINYL CHOLINE CHLORIDE

►ABBOTT LABS (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Henley & Co
Specific Pharmaceuticals, Chemetron Corp (P)

Borden Chem Co (P)
Roselle Labs (P)
Glogau & Co (P)
Winthrop Labs (P)

SUCCINYL SULFATHIAZOLE

Junico Labs, Inc
Merck Chem Div (P)

B L Lemke & Co (P)
Polychemical Labs (P)

SUCROSE OCTAACETATE

Union Carbide Chems Co (P)

SUGAR OF MILK see Lactose

SUGAR REFINING AGENTS

►AMERICAN AGRICULTURAL CHEM CO (P)

American Norit Co (P)
Nalco Chem Co (P)
Hodag Chem Corp (P)

SUGARS, RARE

Aldrich Chem Co (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
K & K Labs (P)
Pfanstiehl Labs (P)

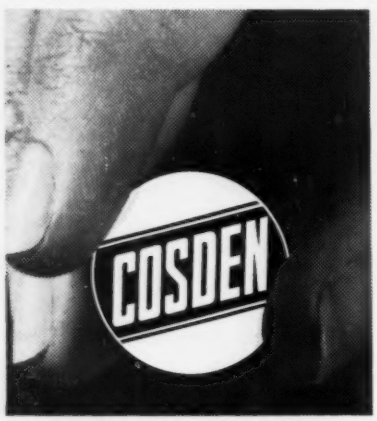
Krishell Labs (P)
Schwarz BioResearch (P)

SULFABENZAMIDE

RSA Corp (P)

American Cyanamid Co, Fine Chems Dept (P)
Guard Chem Co (P)
Roselle Labs (P)

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POLYMER GRADE:
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TECHNICAL GRADE:
(99.2% minimum purity)

For producing polystyrene molding products, polyester laminating resins, casting resins, GR-S synthetic rubbers, specialty synthetic elastomers, and ion exchange resins.

Forms copolymers with acrylates, acrylonitrile, maleic anhydride, drying oils, isobutylene, and others.

COSDEN PETROLEUM CORPORATION
Big Spring, Texas

RARE SUGARS
SUGAR DERIVATIVES
BIOCHEMICALS

by the gram or by the ton

C. P. Sugars: Fructose, Mannose, Fucose Galactose, Xylose, Maltose, Dextrose USP, etc.
Sugar Derivatives
Glucoheptonates, calcium, zinc sodium, iron, lactone, tech. acid
Seqlene chelating agents
2-Deoxy glucose and ribose
Xylan, Xylitol, Arabitol, Erythritol
Glucosamine • HCl, N-acetyl-glucosamine, Galactosamine • HCl, N-acetylgalactosamine, methyl sugars, Glucose pentaacetate, dihydroxyacetone
C.P. Acids: Mucic, maleic, uric, lactic DL & L malic and aspartic, sod. lactate
Amino Acids L & DL
Misc: Bilirubin (Gov. spec.), creatine, creatinine, DL & L Glutamine, Enzymes
Frutabs: fructose tablets for quick energy
Speco fluxes and sal ammoniac bars

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PFANSTIEHL LABORATORIES, Inc.

MONSANTO
STYRENE MONOMER

Standard Form:
Liquid Inhibited with TBC

Specifications:
Color (APHA Platinum-Cobalt Scale) not over 15 units; free from suspended matter and sediment; assay 99.2-99.6% min.; viscosity 0.87 cps. max. at 25°C.; Sp. Gr. 0.9038-0.9057 at 25°/25°C.; refractive index not less n_D 25°C. 1.5434; tertiary butyl catechol 10 ppm. min., 15 ppm. max.; aldehydes (benzaldehyde) 0.02% max.; peroxide (diethylperoxide) 0.01% max.; chlorine 0.01%; sulfur 0.01% max.; polymer content not greater than 0.20%

Containers:
Tank trucks, drums (55-gal.)

Shipping Classifications:
Rail, motor truck

Distributed nationally in drum quantities by McKesson & Robbins, Chemical Department

For technical data, write
Dept. 1750, MONSANTO CHEMICAL CO., Plastics Division, Springfield 2, Massachusetts

Monsanto

SULFACETAMIDE

Fine Chem Co
Henley & Co
Junice Labs, Inc
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Arenol Chem Corp (P)
Guard Chem Co (P)
B L Lemke & Co (P)
Polychemical Labs (P)
Roselle Labs (P)

SULFACETAMIDE SODIUM

Junice Labs, Inc
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Arenol Chem Corp (P)
Biorganic Labs (P)
Guard Chem Co (P)
B L Lemke & Co (P)
Roselle Labs (P)

SULFADIAZINE (2-Sulfanilamido-pyrimidine)

American Cyanamid Co, Fine Chems Dept (P)

SULFAGUANIDINE (Sulfanilyl-guanidine)

Browning Chem Co
Conray Products Co
Industrial Chem & Dye Co
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Guard Chem Co (P)
Polychemical Labs (P)
Roselle Labs (P)

SULFAMERAZINE

American Cyanamid Co, Fine Chems Dept (P)

SULFAMERAZINE SODIUM

American Cyanamid Co, Fine Chems Dept (P)

SULFAMETHAZINE

American Cyanamid Co, Fine Chems Dept (P)

SULFAMYDIL see Sulfanilamide

SULFANILAMIDE (p-Aminobenzene-sulfonamide, Sulfamidyl, Sulphonamide R)

Browning Chem Corp
Henley & Co
Industrial Chem & Dye Co
Junice Labs, Inc
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
George Uhe Co

Guard Chem Co (P)
B L Lemke & Co (P)
Polychemical Labs (P)
Roselle Labs (P)

SULFANILAMIDE SODIUM

Merck Chem Div (P)

Guard Chem Co (P)
Roselle Labs (P)

2-SULFANILAMIDOPYRIDINE see Sulfapyridine

2-SULFANILAMIDOPYRIMIDINE see Sulfadiazine

SULFANYLGUANIDINE see Sulfaguanidine

SULFAPYRIDINE (2-Sulfanilamidopyridine)

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Roselle Labs (P)

SULFAQUINOXALINE

Merck Chem Div (P)

SULFATHIAZOLE

Industrial Chem & Dye Co
Junice Labs, Inc
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Guard Chem Co (P)
Roselle Labs (P)

SULFATHIAZOLE SODIUM

Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

American Cyanamid Co, Fine Chems Dept (P)
Guard Chem Co (P)
Roselle Labs (P)

SULFIDE WHITE see Lithopone

SULFOBROMOPHTHALEIN

Eastern Chem Corp (P)

Helmar Chem Corp (P)

SULFOCARBANILIDE see Thiocarbanilide

SULFONAMIDE P see Sulfanilamide

SULFONATES

Amoco Chems Corp (P)
Atlas Chem Industries, Chems Div (P)
►BRYTON CHEM CO (P)
►CONTINENTAL OIL CO (P)
Faesy & Besthoff
Hilton-Davis Chem Co Div (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co (P)
►MONSANTO CHEM CO (P)
Nease Chem Co (P)
Oronite Div (P)
Petroleum By-Products & Chem Co
Process Chems Co (P)
►SINCLAIR PETROCHEMS (P)
Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP
►SUN OIL CO (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS DIV (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Essential Chems Co (P)
Mineral Oil Refining Co (P)
Warwick Chem Div (P)
Pennsylvania Refining Co (P)
Petrochemicals Co (P)
Royce Chem Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Universal Detergents (P)

SULFONYL CHLORIDE see Sulfuryl Chloride

SULFONYL DIANILINE

Miller-Stephenson Chem Co (P)
RSA Corp (P)

Polychemical Labs (P)

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- PHTHALYLSULFACETAMIDE
- SULFAPYRIDINE
- SULFAPYRIDINE AND SALTS
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- SUCCINYL SULFATHIAZOLE

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Raw materials for pharmaceutical manufacturers.

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MARINETTE, WISCONSIN

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►STAUFFER CHEM CO (P)

Collier Carbon & Chem Corp (P)
Los Angeles Chem Co (P)
Miller Products Co (P)
Olin Mathieson Chem Corp, Plant Food (P)
Ortho Div (P)

SULFURATED LIME see Calcium Sulfide

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
►STAUFFER CHEM CO (P)

SULFUR, COLLOIDAL

Heyden Newport Chem Corp (P)

SULFUR, CRUDE and RECOVERED

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►STAUFFER CHEM CO (P)
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Arkansas Louisiana Chem Corp (P)
Collier Carbon & Chem Corp (P)
Duval Sulphur & Potash Co (P)
Phillips Chem Co (P)

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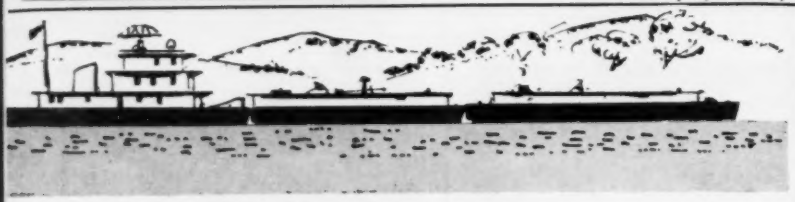
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
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Industrial Sulfur

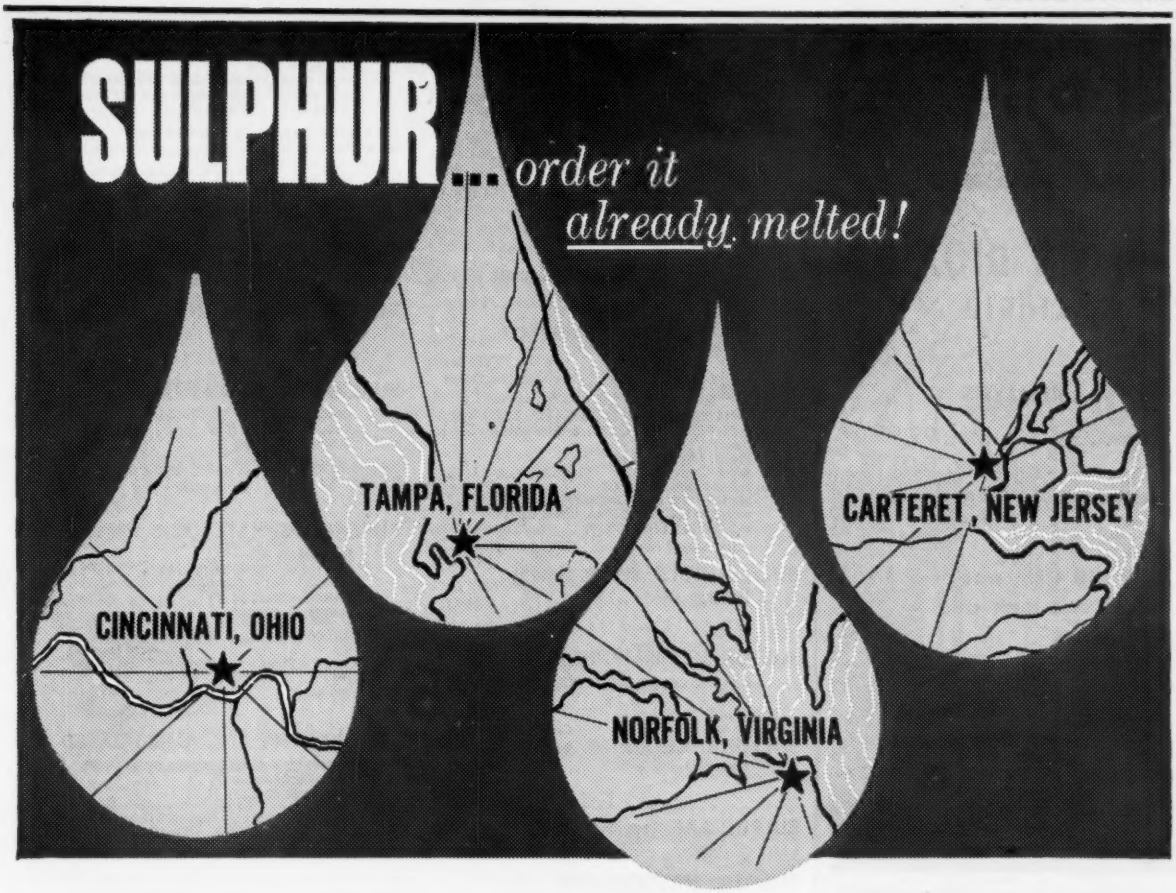
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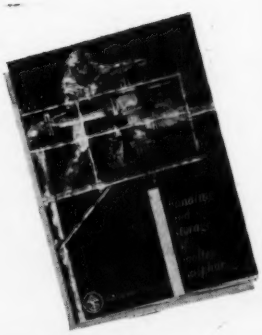
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Virginia Smelting Co (P)

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SULFUR GOLD see Antimony Pentasulfide

SULFUR HEXAFLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)

SULFURIC CHLORIDE see Sulfuryl Chloride

SULFUR LAC see Sulfur, Precipitated

SULFUR, MASTERBATCH, INSOLUBLE

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SULFUROUS OXYCHLORIDE see Thionyl Chloride

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Fallek Chem Corp
Fisher Scientific Co
►HARSHAW CHEM CO
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Kraft Chem Co
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E M Sergeant Pulp & Chem Co
Smith-Douglass Co
J U Starkweather Co
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels
Ortho Div (P)

SULFUR SUBCHLORIDE see Sulfur Chloride

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H J Baker & Bro
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►McKESSON & ROBBINS, CHEM DEPT
►STAUFFER CHEM CO (P)
Los Angeles Chem Co (P) Ortho Div (P)
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M Michel & Co (P)
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Tennessee Corp (P)
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Smith-Douglass Co (P)
Tennessee Corp (P)
Collier Carbon & Chem Corp (P) Northern Chem Industries (P)
Summers Fertilizer Co (P)

SUPERPHOSPHATE, TRIPLE

H J Baker & Bro
Dixon Chem Industries (P)
►INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV (P)
►SHELL CHEM CO (P)
Collier Carbon & Chem Corp (P) Phillips Chem Co (P)
J R Simplot Co (P)

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Armour Industrial Chem Co (P)
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►DU PONT, ELASTOMERS DEPT (P)
General Mills, Chem Div (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
►NOPCO CHEM CO (P)
Patent Chems (P)
►ONYX CHEM CORP (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sole Chem Corp (P)
Synthetic Chems (P)
Verona-Pharma Chem Corp (P)
Amalgamated Chem Corp (P) Metro-Atlantic, Inc (P)
Arol Chem Products (P) Miranol Chem Corp (P)
E F Drew & Co (P) Nalco Chem Co (P)
Emkay Chem Co (P) Standard Chem Products (P)
Hagan Chems & Controls (P) Tanatex Chem Corp (P)
Hart Products Corp (P) Warwick Chem Div (P)
Wye Industries (P)

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)

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Antara Chems Div (P)
Ardmore Chem Co (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
►BRYTON CHEM CO (P)
►CHEMICAL SOLVENTS, INC
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Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELASTOMERS DEPT (P)
Fine Organics (P)
Fisher Scientific Co
General Mills, Chem Div
Hercules Powder Co (P)
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►ONYX CHEM CORP (P)
Oronite Div (P)
Patent Chems (P)
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Sole Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Tennessee Corp (P)
Treplow Chem Co (P)
►ULTRA CHEM WORKS (P)
Union Carbide Chems Co (P)
Valchem (P)
Verona-Pharma Chem Corp (P)
►VICTOR CHEM WORKS (P)
►WITCO CHEM CO (P)
Amalgamated Chem Corp (P)
American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Britex Corp (P)
Bryant Chem Corp (P)
Carlisle Chem Works (P)
Ciba Co (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
Consolidated Water Power & Paper Co (P)
Crown Chem Corp (P)
Crown Zellerbach Corp (P)
Dixo Co (P)
E F Drew & Co (P)
Eastern Color & Chem (P)
Emkay Chem Co (P)
Essential Chem Co (P)
Fabric Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Industrial Materials Co (P)
Marlowe-Van Loan Corp (P)
Marathon Div (P)
Metro-Atlantic, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Miranol Chem Co (P)
Mona Industries (P)
Pennsylvania Refining Co (P)
Petrochemicals Co (P)
Pilot Chem Co of California (P)
Pro-Chem, Inc (P)
Procter & Gamble Co (P)
Puget Sound Pulp & Timber Co (P)
Raybo Chem Co (P)
Reilly-Whiteman-Walton Co (P)
Scher Bros (P)
Scholler Bros (P)
Seaboard Chems (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Surfact Co (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Arthur C Trask Co (P)
Tretolite Co Div (P)
Universal Detergents (P)
Warwick Chem Div (P)
W Va Pulp & Paper Co, Polychems Div (P)
Wica Chems (P)
Wye Industries (P)

(P) Company classifies itself as producer
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SURFACE ACTIVE AGENTS

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TREPENOLS
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Disodium N-tallow β-iminodipropionate (flake)
DERIPHAT 151
Sodium N-coco β-aminopropionate (flake)
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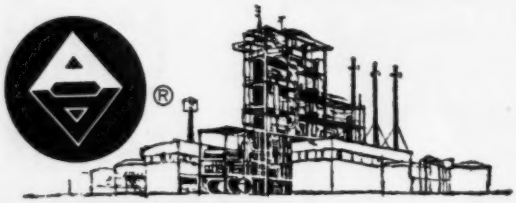
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►COMMERCIAL SOLVENTS CORP (P)
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►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELASTOMERS DEPT (P)
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General Mills, Chem Div (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Howe & French
Intex Chem Corp (P)
Kessler Chem Co (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
Patent Chems (P)
Process Chems Co (P)
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Sale Chem Corp (P)
Synthetic Chems (P)
Treplow Chem Co (P)
Vaichem (P)
Verona-Pharma Chem Corp (P)
►VICTOR CHEM WORKS (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Amalgamated Chem Corp (P)
American Alcolac Corp (P)
American Cyanamid Co, Plastics & Resins (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Barlow Chem Corp (P)
Britex Corp (P)
Bryant Chem Co (P)
Carlisle Chem Works (P)
Ciba Co (P)
Clarkson Labs (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Hagan Chems & Controls (P)
Hart Products Corp (P)
Hexagon Labs (P)
Hodag Chem Corp (P)
E F Houghton & Co (P)
Metro-Atlantic, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Miranol Chem Co (P)
Mona Industries (P)
Nalco Chem Co (P)
Raybo Chem Co (P)
Reilly-Whiteman-Walton Co (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Tretolite Co Div (P)
Warwick Chem Div (P)
Wye Industries (P)

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Atlas Chem Industries, Chems Div (P)
Baker Caster Oil Co (P)
►CHEMICAL SOLVENTS, INC
Croda, Inc (P)
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Dow Corning Corp (P)
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►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELASTOMERS DEPT (P)
Fine Organics (P)
Hercules Powder Co (P)
Howe & French
Intex Chem Corp
►JEFFERSON CHEM CO (P)
Kessler Chem Co (P)
H Kohnstamm & Co (P)
Maher Color & Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
M Michel & Co
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P) Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
Patent Chems (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Process Chems Co (P)
Riches-Nelson, Inc
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Sole Chem Corp (P)
Synthetic Chems (P)
Treplow Chem Co (P)
Trio Chem Works (P)
►ULTRA CHEM WORKS (P)
Union Carbide Chems Co (P)
Vaichem (P)
Verona-Pharma Chem Corp (P)
►VICTOR CHEM WORKS (P)
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American Cyanamid Co, Plastics & Resins Div (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Britex Corp (P)
Bryant Chem Corp (P)
Carlisle Chem Works (P)
Ciba Co (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
Colloids, Inc (P)
Continental Chem Co (P)
Dixo Co (P)
E F Drew & Co (P)
Eastern Color & Chem (P)
Essential Chem Co (P)
Fabric Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hagan Industrial Chems (P)
trols (P)
C P Hall Co (P)
Hart Products Corp (P)
Hodag Chem Corp
E F Houghton & Co (P)
Malmstrom Chem Corp (P)
Metro-Atlantic, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Mona Industries (P)
Nalco Chem Co (P)
Procter & Gamble Co (P)
Reilly-Whiteman-Walton Co (P)
Scher Bros (P)
Scholler Bros (P)
Seaboard Chems (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Surfact Co (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Tretolite Co Div (P)
Troy Chem Co (P)
Trylon Chems (P)
Warwick Chem Div (P)
Wica Chems (P)
Wye Industries (P)

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Antara Chems Div (P)
Armour Industrial Chem Co (P)
Baker Castor Oil Co (P)
Bentonite Co (P)
Cabot Corp (P)
T M Duche & Sons, Uni-Gum Div (P)
►DU PONT, DYES & CHEMS DIV (P)
Maher Color & Chem Co (P)
Merck Chem Div (P)
M Michel & Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
Rohm & Haas Co (P)
Synthetic Chems (P)
Treplow Chem Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Arnold, Hoffman & Co (P)
Atlantic Refining Co (P)
Baroid Chems (P)
Bryant Chem Corp (P)
Continental Chem Co (P)
Essential Chem Co (P)
Geigy Industrial Chems (P)
B F Goodrich Chem Co (P)
C P Hall Co (P)
Lestoil Products (P)
Marine Colloids (P)
Mona Industries (P)
Pro-Chem, Inc (P)
Raybo Chem Co (P)
Stepan Chem Co, Industrial Chems Div (P)
Troy Chem Co (P)
UBS Chem Corp (P)
W Va Pulp & Paper Co, Polychems Div (P)

SYLVITE see Potassium Chloride

SYNCAINE see Procaine Hydrochloride

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►CONTINENTAL OIL CO (P)
McLaughlin Gormley King Co (P)
►METAL & THERMIT CORP (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO (P)
►STAUFFER CHEM CO (P)
Union Carbide Chems Co (P)

Bryant Chem Corp (P)
Emkay Chem Co (P)
Mona Industries (P)
Hagan Chems & Controls (P)

T

TALC (Talcum, Soapstone, Steatite)

American Colloid Co (P)
►BERKSHIRE CHEMS, INC
Charles B Chrystal Co
►HARSHAW CHEM CO
E & F King & Co
Kraft Chem Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
L A Salomon & Bro
Smith Chem & Color Co
Tamms Industries
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Charles A Wagner Co
Whittaker, Clark & Daniels

Commercial Minerals Co (P)
Miller Products Co (P)
R T Vanderbilt Co (P)
Western Chem & Mfg Co (P)

TALCUM see Talc

TALLOW, ANIMAL

Armour Industrial Chem Co (P)
H J Baker & Bro
►PACIFIC VEGETABLE OIL CORP (P)
►STAUFFER CHEM CO (P)
Vitamins, Inc
Welch, Holme & Clark Co

Madison Glue Corp (P)
Milbrew Co (P)
Geo Pfau's Sons Co (P)
Neatsfoot Oil Refineries Corp (P)
Seaboard Chems (P)

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►STAUFFER CHEM CO (P)

Archer-Daniels-Midland Co (P)
Franklin Oil Corp (P)
Geo Pfau's Sons Co (P)
Neatsfoot Oil Refineries Corp (P)
Reilly-Whiteman-Walton Co (P)

TALLOW, HYDROGENATED

Emery Industries (P)
►HUMKO PRODUCTS CHEM DIV (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Archer-Daniels-Midland Co (P)
Foremost Food & Chem Co (P)
E F Drew & Co (P)
Werner G Smith, Inc (P)
Woburn Chem Corp (P)

TALLOW, MUTTON

►STAUFFER CHEM CO (P)
Welch, Holme & Clark Co

Reilly-Whiteman-Walton Co (P)

TALLOW, SIZING

Marcus Ruth Jerome Co (P)
►STAUFFER CHEM CO (P)

Colloids, Inc (P)
Joy Chem Inc (P)
Reilly-Whiteman-Walton Co (P)

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Welch, Holme & Clark Co

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Arnold, Hoffman & Co (P)
Colloids, Inc (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Metro-Atlantic, Inc (P)
Reilly-Whiteman-Walton Co (P)
Seaboard Chems (P)
Standard Chem Products Co (P)
Arthur C Trask Co (P)
Warwick Chem Div (P)
Wica Chems (P)

TALLOW, VEGETABLE

E F Drew & Co (P)

TANKAGE

H J Baker & Bro
►HARSHAW CHEM CO
Smith-Douglass Co (P)

Madison Glue Corp (P)

TANNIN see Acid Tannic

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Dow Chem Co (P)
Esso Standard Oil (P)
►NOPCO CHEM CO (P)
►SUN OIL CO (P)

E F Drew & Co (P)
Fiber Chem Corp (P)
Reilly-Whiteman-Walton Co (P)
Socony Mobil Oil Co (P)
Arthur C Trask Co (P)
W A Wood Co (P)

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Antara Chems Div (P)
Diamond Alkali Co (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Maher Color & Chem Co (P)
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Rohm & Haas Co (P)
►TITANIUM ALLOY MFG DIV (P)
Union Carbide Chems Co (P)

Fiber Chem Corp (P)
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Reilly-Whiteman-Walton Co (P)

TANNING EXTRACTS

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Marathon Div (P)
Arthur C Trask Co (P)
Puget Sound Pulp & Timber Co (P)

TANNING GREASE see Degras

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Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Wye Industries (P)

TANTALUM, METAL

Belmont Smelting & Refining Works (P)
Fairmount Chem Co (P)
Kawecki Chem Co (P)
►STAUFFER CHEM CO (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
National Research Corp, Metals Div (P)
Union Carbide Metals Co (P)

TANTALUM OXIDE

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Fairmount Chem Co (P)
Kawecki Chem Co (P)
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

Union Carbide Metals Co (P)

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TAR CAMPHOR see Naphthalene

TARCANUM see Potassium Sulfate

TAR, COAL

►ALLIED CHEM CORP, PLASTICS DIV (P)
Kolon Trading Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Tar Residuals
United States Pipe & Foundry Co (P)

Alabama By-Products Corp (P)
Colorado Fuel & Iron Corp (P)
Continental Coatings Corp (P)
Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)
Donner-Hanna Coke Corp (P)
Milwaukee Solvay Coke Co (P)
U S Steel Corp (P)

TAR, DAMP-PROOFING

►KOPPERS CO, TAR PRODUCTS DIV (P)

Coopers Creek Chem Corp (P)
Crowley Tar Products Co (P)

TAR, PINE

Cabot Corp (P)

Louisiana Pine Products Co (P)
Maas & Waldstein Co (P)

TAR, WOOD (Hardwood Tar)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)

Crowley Tar Products Co (P)
Crossett Chem Co (P)

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Crowley Tar Products Co (P)

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Continental Coatings Corp (P)
Crowley Tar Products Co (P)
Coopers Creek Chem Corp (P)
Zophar Mills (P)

TARS, MOLD WASH

►KOPPERS CO, TAR PRODUCTS DIV (P)
Crowley Tar Products Co (P)
Renite Co (P)
Wye Industries (P)

TARS, SATURATING

►ALLIED CHEM CORP, PLASTICS DIV (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Crowley Tar Products Co (P)
Velsicol Chem Corp (P)

TARS, WATERPROOFING

Esso Standard Oil (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
►WITCO CHEM CO (P)
Borden Chem Co (P)
Coopers Creek Chem Corp (P)
Continental Coatings Corp (P)
Crowley Tar Products Co (P)
Velsicol Chem Corp (P)

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(Aromatic)
EXTRACTS
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TARTAR EMETIC see Antimony Potassium Tartrate

TARTARUS see Potassium Tartrate

TARTARUS VITRIOLATUS see Potassium Sulfate

TARTRATED ANTIMONY see Antimony Potassium Tartrate

TAURINE (2-Aminoethanesulfonic Acid)

Alvares-Terner Corp
Antara Chems Div (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
RSA Corp (P)
Kaplop Labs (P)
Premium Chems (P)

TELLURIUM DIOXIDE see Tellurium Oxide

TELLURIUM, METAL (Sylvanium)

Alvares-Terner Corp
Belmont Smelting & Refining Works (P)
Faesy & Besthoff
Fairmount Chem Co (P)
International Selling Corp
Kawecki Chem Co
Penn Rare Metals (P)
Phelps Dodge Refining Corp (P)
Whittaker, Clark & Daniels
Var-Lac-Old Chem Co (P)
American Smelting & Refining Co (P)
Division Lead Co (P)

TELLURIUM OXIDE (Tellurium Dioxide, Tellurite)

Fairmount Chem Co (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)

TERBIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

TERBIUM OXIDE

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Milimaster Chem Corp
Var-Lac-Old Chem Co (P)
Research Chems (P)

TERBIUM SALTS

►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

TEREPHTHALYL CHLORIDE

Diamond Alkali Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
K & K Labs

TERPENE see Dipentene

TERPHENYL (1,4-Diphenylbenzene)

Arapahoe Chems (P)
Distillation Products Industries (P)
Milimaster Chem Corp
►MONSANTO CHEM CO (P)
Isomet Corp (P)
Pilot Chems, Inc (P)

α-TERPINEOL

Florasynth Labs
Fritzsche Bros
Hercules Powder Co (P)
►RHODIA, INC (P)

TERPINEOLS, MIXED

Florasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
Hercules Powder Co (P)

TERPIN HYDRATE (Dipentene Glycol)

Conray Products Co
Hercules Powder Co (P)
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
B L Lemke & Co (P)
Roselle Labs (P)

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Charles B Chrystal Co
Mallinckrodt Chem Works (P)
L A Salomon & Bro
Charles A Wagner Co
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National Gypsum Co (P)

TERRA JAPONICA see Gambir

TERRA PONDEROSA see Blanc Fixe

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Henley & Co
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Roselle Labs (P)

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Henley & Co
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TETRABROMOBISPHENOL-A

Michigan Chem Corp (P)

TETRABROMO-m-CRESOLSULFONPHTHALEIN see Bromocresol Green

sym-TETRABROMOETHANE see Acetylene Tetrabromide

TETRABROMOFLUORESCEIN see Eosin

TETRABROMOPHTHALIC ANHYDRIDE

Michigan Chem Corp (P)
American Lignite Products (P)

TETRABUTYL AMMONIUM IODIDE

►ACETO CHEM CO
Distillation Products Industries (P)
Eastern Chem Corp (P)
RSA Corp (P)
Southwestern Analytical Chems (P)
Electro Organic Corp (P)

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TETRABUTYL THIURAM MONOSULFIDE
Naugatuck Chem Div (P)

TETRACAINE HYDROCHLORIDE
Gane's Chem Works (P)
►R W GREEFF & CO
RSA Corp (P)
Fries Bros (P)
Polychemical Labs (P)
Winthrop Labs (P)

1,2,4,5-TETRACHLOROBENZENE
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
H P Rossiger & Co
Western Organics (P)

TETRACHLORO-p-BENZOQUINONE (Chloranil)
Naugatuck Chem Div (P)

sym-TETRACHLOROETHANE see Acetylene Tetrachloride

TETRACHLOROETHYLENE (Carbon Bichloride, Carbon Dichloride, Perchlorethylene)
American Firstoline Corp
American Mineral Spirits Co
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
International Selling Corp
►JONES CHEMS, INC
Kraft Chem Co
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Revelli Chems, Inc
►STAUFFER CHEM CO (P)
Tect, Inc
Detrex Chem Industries (P)
Frontier Chem Co (P)

TETRACHLOROHYDROQUINONE
Brothers Chem Co (P)
Naugatuck Chem Div (P)

TETRACHLOROMETHANE see Carbon Tetrachloride

2,3,4,6-TETRACHLOROPHENOL
Dow Chem Co (P)

TETRACHLOROPHENOL SULFONPHTHALEIN see Chlorophenol Blue

TETRACHLOROPHTHALIC ANHYDRIDE
Failek Chem Corp
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

n-TETRADECANE
►HUMPHREY-WILKINSON (P)
Phillips Petroleum Co, Special Products Div (P)

1-TETRADECANOL see Alcohol, Myristyl

1-TETRADECENE (α-Tetradecylene)
Aldrich Chem Co (P)
►HUMPHREY-WILKINSON (P)

TETRADECYL BROMIDE
►ACETO CHEM CO (P)
►HUMPHREY-WILKINSON (P)

TETRADECYL CHLORIDE
►ACETO CHEM CO (P)
►HUMPHREY-WILKINSON (P)

tert.-TETRADECYL MERCAPTAN
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Phillips Petroleum Co, Special Products Div (P)

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►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

TETRAETHANOLAMMONIUM HYDROXIDE
RSA Corp (P)
Barlow Chem Corp (P)

TETRAETHOXY PROPANE
►KAY-FRIES CHEMS (P)

TETRAETHYL AMMONIUM BROMIDE
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Eastern Chem Corp (P)
RSA Corp (P)
Barlow Chem Corp (P)

TETRAETHYL AMMONIUM CHLORIDE
Distillation Products Industries (P)
Eastern Chem Corp (P)
RSA Corp (P)
Barlow Chem Corp (P)

TETRA(2-ETHYLBUTYL) SILICATE
►R W GREEFF & CO
Montrose Chem Co (P)

TETRAETHYLENE GLYCOL
Dow Chem Co (P)

TETRAETHYLENE GLYCOL ESTERS
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Sartomer Resins, Inc (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Borden Chem Co (P)
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C P Hall Co (P)
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Union Carbide Chems Co (P)

TETRA(2-ETHYLHEXYL) SILICATE
Union Carbide Chems Co (P)
Montrose Chem Co (P)

TETRAETHYL LEAD
►DU PONT, PETROLEUM CHEMS DIV (P)
►ETHYL CORP (P)
Houston Chem Corp (P)

TETRAETHYL PYROPHOSPHATE
►AMERICAN POTASH & CHEM CORP (P)
Ortho Div (P)
Triangle Chem Co (P)

TETRAETHYL o-SILICATE see Ethyl Silicate

TETRAETHYL THIURAM DISULFIDE
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Pennsalt Chems Corp (P)

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►CHEMICAL SOLVENTS, INC
►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co
Mallinckrodt Chem Works
►McKESSON & ROBBINS, CHEM DEPT

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Eastern Chem Corp (P)

TETRAHYDROFURFURYL METHACRYLATE
Sartomer Resins, Inc (P)
Borden Chem Co (P)

TETRAHYDROFURFURYL OLEATE
►ACETO CHEM CO
Emery Industries (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
Carlisle Chem Works (P)

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Farchan Research Labs (P) Petro-Tex Chem Corp (P)

TETRAHYDROPHTHALIMIDE

Farchan Research Labs (P)

TETRAHYDROXYQUINONE

Aero Chem Corp (P)
Eastern Chem Corp (P)
K & K Labs (P)

TETRAIODOFLUORESCEIN see Iodeosin

TETRAKIS(HYDROMETHYL) PHOSPHONIUM CHLORIDE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

N,N,N',N'-TETRAKIS (2-HYDROXY-PROPYL) ETHYLENE DIAMINE

►WYANDOTTE CHEMS CORP (P)

3,3,5,5-TETRAKIS(HYDROXY-METHYL)-4-PYRANOL see Anhydroenneaheptitol

TETRALONE

Eastern Chem Corp (P)
K & K Labs (P)
Beacon Chem Industries (P) Edcan Labs (P)

TETRAMETHOXYPROPANE

►KAY-FRIES CHEMS (P)

TETRAMETHYLAMMONIUM HYDROXIDE

Distillation Products Industries (P)
RSA Corp (P)
Sole Chem Corp (P)
Southwestern Analytical Chems (P)

TETRAMETHYLENE DIAMINE

Aldrich Chem Co (P)
Browning Chem Corp
K & K Labs (P)
►MONSANTO CHEM CO (P)
Ames Labs (P) Freeman Industries (P)

TETRAMETHYLENE DIBROMIDE

Aero Chem Corp (P)
Farchan Research Labs (P)
K & K Labs (P)
RSA Corp (P)

TETRAMETHYLSILANE

K & K Labs (P)

TETRAMETHYLTHIURAM DISULFIDE

►ACETO CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
International Selling Corp
►MONSANTO CHEM CO (P)
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Robeco Chems
Roberts Chems, Inc (P)
Samincorp
General Tire & Rubber Co (P) Naugatuck Chem Div (P)
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►MONSANTO CHEM CO (P)
Roberts Chems, Inc (P)
Naugatuck Chem Div (P) R T Vanderbilt Co (P)

TETRANITROCARBAZOLE

►ACETO CHEM CO

TETRANITROMETHANE

Aldrich Chem Co (P)
K & K Labs
Hummel Chem Co (P)

TETRAOXYPHTHALOPHENONE ANHYDRIDE see Fluorescein

TETRAPHENYLBUTADIENE

Aldrich Chem Co (P)
Arapahoe Chems (P)
Eastern Chem Corp (P)
K & K Labs (P)
Millmaster Chem Corp
Kaplop Labs (P) Pilot Chems, Inc (P)

TETRAPHENYLCYCLOPENTADIENONE

Aero Chem Corp (P)
Aldrich Chem Co (P)
Beacon Chem Industries (P) Kaplop Labs (P)

TETRAPHENYL TIN

►METAL & THERMIT CORP (P)
RSA Corp (P)
Riches-Nelson, Inc
Roberts Chems, Inc (P)
Var-Lac-Old Chem Co (P)
Peninsular ChemResearch (P)

TETRAPHOSPHORUS TRISULFIDE see Phosphorus Sesquisulfide

TETRAPOTASSIUM PYROPHOSPHATE see Potassium Pyrophosphate

TETRAPROPYLENE

Amoco Chems Corp (P)
►ENJAY CHEM CO (P)
Fallek Chem Corp
►GULF OIL CORP (P)
Roberts Chems, Inc (P)
►SUN OIL CO (P)
Tar Residuals
Eastern States Petroleum & Chem Corp (P) Texaco Inc (P)

TETRASODIUM ETHYLENEDIAMINE TETRAACETATE

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Antara Chems Div (P)
Dow Chem Co (P)
Fallek Chem Corp
George Mann & Co
Process Chems Co (P)
Bio-Rad Labs (P) Scher Bros (P)
Emkay Chem Co (P) Tanatex Chem Corp (P)
A R Maas Chem Co Div (P)

TETRASODIUM PYROPHOSPHATE, ANHYDROUS see Sodium Pyrophosphate, Anhydrous

TETRAZOLIUM BLUE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Eastern Chem Corp (P)
K & K Labs (P)

TETRAZOLIUM CHLORIDE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)
Eastern Chem Corp (P)
K & K Labs (P)
Schwarz BioResearch (P)

TETRAZOLIUM SALTS see Tetrazolium Chloride

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American Mineral Spirits Co (P)
Antara Chems Div (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Burtonite Co (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►EASTMAN CHEM PRODUCTS (P)
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Esso Standard Oil (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Fine Organics (P)
Geigy Dyestuffs Div (P)
General Elec Co, Silicone Products (P)
►HARSHAW CHEM CO (P)
Hercules Powder Co (P)
Kessler Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Metalsalts Corp (P)
M Michel & Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
►PEERLESS OIL & CHEM CORP
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►PHILADELPHIA QUARTZ CO (P)
Rohm & Haas Co (P)
Rumford Chem Works (P)
Shawinigan Resins Corp (P)
Stein Hall & Co (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
►ULTRA CHEM WORKS (P)
Valchem (P)
Verona-Pharma Chem Corp (P)
►WITCO CHEM CO (P)

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American Alcolac Corp (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Barlow Chem Corp (P)
Glover M Birk, Mfg Chemist (P)
Borden Chem Co (P)
Burkart-Schier Chem Co (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Crown Chem Corp (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
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C P Hall Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Heyden Newport Chem Corp (P)
Joy Chem Inc (P)
Marathon Div (P)
Marlowe-Van Loan Corp (P)
Edward Mendell Co (P)
Metro-Atlantic, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Morningstar-Paisley, Inc (P)
Naico Chem Co (P)
Norton Chem Works (P)
Oakite Products (P)
Procter & Gamble Co (P)
Reichhold Chems, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Socony Mobil Oil Co (P)
Standard Chem Products (P)
Stepan Chem Co, Industrial Chems Div (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Wallerstein Co (P)
Warwick Chem Div (P)
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TEXTILE WEIGHTING COMPOUNDS

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►METAL & THERMIT CORP (P)
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►PHILADELPHIA QUARTZ CO (P)
Stein Hall & Co (P)
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Arnold, Hoffman & Co (P)
Burkhart-Schier Chem Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Crown Chem Corp (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Heyden Newport Chem Corp (P)
Hart Products Corp (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Morningstar-Paisley, Inc (P)
Scher Bros (P)
Scholler Bros (P)
Standard Chem Products (P)
Titan Chem Products (P)
Warwick Chem Div (P)
Jacques Wolf & Co (P)

THALLIUM ACETATE

City Chem Corp (P)
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Chemical Commerce (P)

THALLIUM CHLORIDE

City Chem Corp (P)
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)
Wood Ridge Chem Corp

Chemical Commerce (P)
Cooper & Chem Co (P)

THALLIUM FORMATE

City Chem Corp (P)
Distillation Products Industries (P)
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Chemical Commerce (P)

THALLIUM IODIDE

City Chem Corp (P)
Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)
Wood Ridge Chem Corp (P)

Chemical Commerce (p)
Cooper Chem Co (P)
Xanthippe Chems (P)

THALLIUM, METAL

Belmont Smelting & Refining Works (P)
►BERKSHIRE CHEMS INC
City Chem Corp (P)
European Chem Co
Fairmount Chem Co (P)
International Selling Corp
Var-Lac-Old Chem Co (P)
Wood Ridge Chem Corp

Bram Metallurgical-Chem Co (P)

THALLIUM SULFATE (Thallous Sulfate)

►BERKSHIRE CHEMS INC
City Chem Corp (P)
Conray Products Co
European Chem Co
Fairmount Chem Co (P)
Gallard-Schlesinger Chem Mfg Corp
Pfaltz & Bauer, Inc
Revell Chems, Inc
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Roselle Labs (P)

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J H DeLamar & Son
European Chem Co
Filo Color & Chem Corp
Kolon Trading Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Riches-Nelson, Inc
George Uhe Co

Roselle Labs (P)

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►R W GREEFF & CO
►S B PENICK & CO, NYQ CHEM DIV (P)

Premium Chems (P)

THEOBROMINE SODIUM SALICYLATE (Diuretin)

Fine Organics (P)
►R W GREEFF & CO
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

Knoll Pharmaceutical Co (P)

THEOCIN see Theophylline

THEOPHYLLINE (Theocin; 1,3-Dimethylxanthine)

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
J H DeLamar & Son
Gane's Chem Works (P)
►R W GREEFF & CO
Henley & Co
Kolon Trading Co
Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co

B L Lemke & Co (P)
Roselle Labs (P)

THEOPHYLLINE ETHYLENEDIAMINE see Aminophylline

THEOPHYLLINE SODIUM ACETATE

Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)

Roselle Labs (P)

THEOPHYLLINE SODIUM GLYCINATE

Roselle Labs (P)

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
European Chem Co (P)
Industrial Chem & Dye Co
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co
Vitamins, Inc

American Cyanamid Co, Fine Chems Dept (P)
Hoffmann-La Roche (P)
Prentiss Drug & Chem Co (P)
Roselle Labs (P)

THIAMINE MONONITRATE (Vitamin B_1)

Industrial Chem & Dye Co
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co

American Cyanamid Co, Fine Chems Dept (P)
Hoffmann-La Roche (P)
Roselle Labs (P)

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Burtonite Co (P)
Cabot Corp (P)
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T M Duche & Sons, Uni-Gum Div (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Hercules Powder Co (P)
►JOHNS-MANVILLE (P)
Kessler Chem Co (P)
George Mann & Co
Mallinckrodt Chem Works (P)
Meer Corp (P)
Merck Chem Div (P)
M Michel & Co (P)
►MINERALS & CHEMS PHILIPP CORP (P)
►MONSANTO CHEM CO (P)
National Lead Co (P)
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
►S B PENICK & CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Process Chems Co (P)
Rohm & Haas Co (P)
Stein Hall & Co (P)
Sole Chem Corp
Synthetic Chems (P)
Treplow Chem Co (P)
Union Carbide Chems Co (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Alkydol Labs (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
E F Drew & Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Franklin Oil Corp (P)
Geigy Industrial Chems (P)
B F Goodrich Chem Co (P)
C P Hall Co (P)
Inerto Co (P)
Edward Mendell Co (P)
Mona Industries (P)
Morningstar-Paisley, Inc (P)
Polyvinyl Chems (P)
Pro-Chem, Inc (P)
Raybo Chem Co (P)
Troy Chem Co (P)
Warwick Chem Div (P)
Wica Chems (P)

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Pennsalt Chems Corp (P)
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►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO
Union Carbide Chems Co (P)

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Duralac Chem Corp (P)
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Interchem Corp, Finishes Div (P)
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THIOCARBAMIDE see Thiourea

p-THIOCRESOL

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Eastern Chem Corp (P)
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Pitt-Consol Chem Co (P)

p-THIOCYANOANILINE

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Union Carbide Chems Co (P)

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THIODIGLYCOL see Thiodiethylene Glycol

THIODIPHENYLAMINE see Phenothiazine

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THIOPHOSPHORIC ANHYDRIDE see Phosphorus Pentasulfide

THIOPHOSPHORYL CHLORIDE

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THIOSINAMINE see Allyl Thiourea

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►BAIRD CHEM INDUSTRIES, INC
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Cabot Corp (P)
National Lead Co (P)
Olin Mathieson Chem Corp, Organic Chems (P)

Alkydol Labs (P)
Ferro Chem Div (P)
Raybo Chem Co (P)
Industrial Minerals & Chem Co (P)
Reichhold Chems, Inc (P)

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Fairmount Chem Co (P)
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Alvares-Terner Corp
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►DAVISON CHEM DIV (P)
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THORON

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Fine Organics (P)
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►DAVISON CHEM DIV
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Michigan Chem Corp (P)
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Bram Metallurgical-Chem Co (P) Research Chems (P) Xanthippe Chems (P)

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►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
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Research Chems (P)

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THYME CAMPHOR see Thymol

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►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
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THYMOL SULFONPHTHALEIN see Thymol Blue

THYROID

Conray Products Co
European Chem Co

Armour Pharmaceutical Co (P) Glogau & Co (P) Roselle Labs (P)

TINCAL see Borax

TIN CHLORIDE (ic)

►ACETO CHEM CO
Fisher Scientific Co (P)
Gallard-Schlesinger Chem Mfg Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►METAL & THERMIT CORP (P)
Vulcan Detinning Div (P)

Jordan Co (P)

TIN CHLORIDE (ous)

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Mallinckrodt Chem Works (P)
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Xanthippe Chems (P)

TIN FLUORIDE (ous)
►METAL & THERMIT CORP (P)
Var-Lac-Old Chem Co (P)
Ozark-Mahoning Co (P)

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Alloy Metal Products (P)
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Nuodex Products Co (P)
Advance Solvents & Chem Div (P)

TIN OLEATE
►METAL & THERMIT CORP (P)
Nuodex Products Co (P)
Premium Chems (P)

TIN OXALATE (ous)
City Chem Corp (P)
►METAL & THERMIT CORP (P)
Premium Chems (P)

TIN OXIDE (ic)
Belmont Smelting & Refining Works (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►METAL & THERMIT CORP (P)
McGean Chem Co (P)

TIN OXIDE (ous)
►ACETO CHEM CO
Belmont Smelting & Refining Works (P)
►METAL & THERMIT CORP (P)
McGean Chem Co (P)

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TIN PROTEINATE
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TIN SULFATE (ic)
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TIN SULFATE (ous)
►HARSHAW CHEM CO
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►METAL & THERMIT CORP (P)

TIN TETRACHLORIDE see Tin Chloride (ic)

TITANATES, ALKYL
►DU PONT, DYES & CHEMS DIV (P)

TITANIA see Titanium Dioxide

TITANIC CHLORIDE see Titanium Tetrachloride

TITANIUM BORIDE see Titanium Diboride

TITANIUM CARBIDE
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Union Carbide Metals Co (P)

TITANIUM DIBORIDE
Kawecki Chem Co (P)
U S Borax (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
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TITANIUM DICHLORIDE
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►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
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Fallek Chem Corp
Flo Color & Chem Corp
Fisher Scientific Co (P)
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International Smelting Corp
H Kohnstamm & Co (P)
►METAL & THERMIT CORP (P)
National Lead Co (P)
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TITANIUM FLUORIDE see Titanium Trifluoride and Titanium Tetrafluoride

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►METAL HYDRIDES (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)

TITANIUM, METAL
Belmont Smelting & Refining Works (P)
►DU PONT, PIGMENTS DEPT (P)
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Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
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Laboratory Equipment Corp (P)
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Hummel Chem Co (P)

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City Chem Corp (P)

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Kawecki Chem Co (P)
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TITANIUM SULFATE, BASIC
Titanium Pigment Corp (P)

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Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Ozark-Mahoning Co (P)

TITANIUM TRICHLORIDE (Titanous Chloride)
►STAUFFER CHEM CO (P)
Var-Lac-Old Chem Co (P)
Wallach-Gracer Export Corp
Washine Chem Corp (P)
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TITANIUM TRIFLUORIDE
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TITANIUM WHITE see Titanium Dioxide

TITANIUM SULFATE see Titanium Sulfate, Basic

TOCOPHEROL see Vitamin E

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Millmaster Chem Corp (P)
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α-TOLUAMIDE see Phenylacetamide

TOLUAZOTOLUDINE see o-Aminoazotoluene

TOLUENE see Toluol

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NEASE Chemical COMPANY, INC.
Post Office Box 221
State College, Pennsylvania
Adams 8-2424

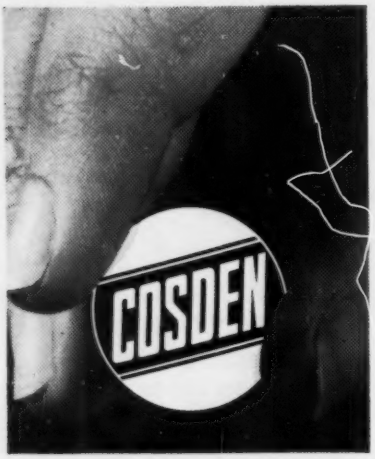
MONSANTO
para-
TOLUENESULFONYL CHLORIDE

VERSATILE CHEMICAL INTERMEDIATE —
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DYES
PHARMACEUTICALS
NUMEROUS SYNTHETIC ORGANIC CHEMICALS

DRUMS AND CARLOTS

Organic Chemicals Division, St. Louis 66, Mo.

Monsanto



TOLUENE

Meets:

A.S.T.M. D841-50, Nitration Grade (1°)

COSDEN PETROLEUM CORPORATION
Big Spring, Texas

TOLUOL
XYLOL
BENZOL

Other Solvents
99/100% Cresylic Acid
Cresols—Xylenols
High Boiling Tar Acids
Coal Tar
Naphthalene—all grades
Pyridine—Alpha Picoline
other related products

TAR RESIDUALS Inc.
420 Lexington Ave.
New York 17, N. Y.
LE 2-9164

TOLUENESULFONYL CHLORIDE, MIXED

Nease Chem Co (P)

α-TOLUENETHIOL see Benzyl Mercaptan

TOLUHYDROQUINONE (2-Methyl Hydroquinone)

►EASTMAN CHEM PRODUCTS (P)

m-TOLUIDINE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)
Paul Uhlich & Co (P)

o-TOLUIDINE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)

p-TOLUIDINE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►DU PONT, DYES & CHEMS DIV (P)

TOLUIDINES, MIXED

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Kentucky Color & Chem Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)

α-TOLUNITRILE see Benzyl Cyanide

o-TOLUNITRILE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH

TOLUOL (Toluene, Methylbenzene, Methylbenzol, Phenylmethane)

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co (P)
American Oil & Supply Co (P)
Amoco Chems Corp (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
R J Brown Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Cosden Petroleum Corp (P)
Diamond Alkali Co (P)
►ENJAY CHEM CO (P)
Esso Standard Oil (P)
Fallek Chem Corp
Fisher Scientific Co (P)
►GULF OIL CORP (P)
Howe & French
►JONES CHEMS, INC
E & F King & Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Mallinckrodt Chem Works (P)
Mercury Chem Corp
►MODERN SOLVENTS & CHEMS CORP
Nitrogen Products, Inc
►PEERLESS OIL & CHEM CORP
►SINCLAIR PETROCHEMS (P)
Samincorp
Stanley-Mueller, Inc
►SUN OIL CO (P)
►TENNESSEE PRODUCTS & CHEM CORP (P)
Thompson-Hayward Chem Co
United States Pipe & Foundry Co (P)

Alabama By-Products Corp (P)
Archer-Daniels-Midland Co (P)
Bethlehem Steel Co (P)
Coastwise Petroleum Co (P)
Crowley Tar Products Co (P)
Delal-Taylor Oil Corp (P)
Inland Steel Co (P)
Jones & Laughlin Steel Corp (P)
Milwaukee Solvay Coke Co (P)
Shell Oil Co (P)
Signal Oil & Gas Co (P)
Tenneco Oil Co (P)
Texaco Inc (P)
Union Carbide Olefins Co (P)
U S Steel Corp (P)
Vickers Petroleum Co (P)

TOLUQUINONE

►EASTMAN CHEM PRODUCTS (P)

TOLYL ACETATE see Cresyl Acetate

p-TOLYL ALDEHYDE (p-Methyl Benzaldehyde)

Aldrich Chem Co (P)
Fierasynth Labs
Fritzsche Bros
Givaudan-Delawanna (P)
►R W GREEFF & CO
Heyden Newport Chem Corp (P)
Fries Bros (P)

m-TOLYLDIETHANOLAMINE

Antara Chems Div (P)
►EASTMAN CHEM PRODUCTS (P)
Kryten Chems (P)

m-TOLYLENEDIAMINE

►ACETO CHEM CO
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)

m-TOLYLENE DIISOCYANATE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Mobay Chem Co (P)

TOLYLENE DIISOCYANATES, MIXED

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
Mobay Chem Co (P)

o-TOLYL PROPANOLAMINE

►EASTMAN CHEM PRODUCTS (P)

TOLYL SULFOXIDE SULFONATE

City Chem Corp (P)

TONERS, BLUE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Sherwin-Williams Co (P)
Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Fred'k H Levey Co (P)
New York Color & Chem Co (P)
Standard Ultramarine & Color Co (P)
Thomasset Colors (P)
Paul Uhlich & Co (P)

TONERS, GREEN

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Filo Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Mineral Pigments Corp (P)
Sherwin-Williams Co (P)

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Standard Ultramarine & Color Co
Donner-Hanna Coke Color Co (P)
Thomasset Colors (P)

TONERS, LITHOGRAPHIC see Colors, Ink

TONERS, METHYL VIOLET

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
Flio Color & Chem Corp
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
Sherwin-Williams Co (P)

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Fred'k H Levey Co (P)
Imperial Color Chem & Paper Dept (P)
New York Color & Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)

TONERS, ORANGE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Flio Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Sherwin-Williams Co (P)

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Fred'k H Levey Co (P)
Imperial Color Chem & Paper Dept (P)
Standard Ultramarine & Color Co (P)

TONERS, PAINT see Pigments, Paint

TONERS, RED

►ALLIED CHEM CORP, NATIONAL CHEM DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Flio Color & Chem Corp (P)
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Sherwin-Williams Co (P)

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Fred'k H Levey Co (P)
Keystone Color Works (P)
New York Color & Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)
Western Dry Color Co (P)

TONERS, TUNGSTATE & MOLYBDATE

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Flio Color & Chem Corp (P)
Hilton-Davis Chem Co Div (P)
Sherwin-Williams Co (P)
Shwayder Chem Metallurgy Corp (P)

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Fred'k H Levey Co (P)
New York Color & Chem Co (P)
Standard Ultramarine & Color Co (P)
Paul Uhlich & Co (P)

TONERS, YELLOW

►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Collway Pigments (P)
►DU PONT, PIGMENTS DEPT (P)
Flio Color & Chem Corp
►HARSHAW CHEM CO (P)
Hilton-Davis Chem Co Div (P)
Kentucky Color & Chem Co (P)
H Kohnstamm & Co (P)
Mineral Pigments Corp (P)
Sherwin-Williams Co (P)

Brooklyn Color Works (P)
Holland Color & Chem Co (P)
Imperial Color Chem & Paper Dept (P)
Keystone Color Works (P)
Fred'k H Levey Co (P)
Standard Ultramarine & Color Co (P)
Firestone Plastics Co (P)
Western Dry Color Co (P)

TONKA-BEAN CAMPHOR see Coumarin

TOUGHENING AGENTS, RUBBER

►MONSANTO CHEM CO (P)
►WITCO CHEM CO (P)

TOXAPHENE

►AMERICAN POTASH & CHEM CORP
►BAIRD CHEM INDUSTRIES, INC
Hercules Powder Co (P)
Thompson-Hayward Chem Co

TOXILIC ANHYDRIDE see Maleic Anhydride

TRIACETIN (Glyceryl Triacetate)

►BAIRD CHEM INDUSTRIES, INC
►EASTMAN CHEM PRODUCTS (P)
Florasynth Labs
Kessler Chem Co (P)

TRIALKYLBORANES

Callery Chem Co (P)

TRIALLYL CYANURATE

American Cyanamid Co, Market Development Dept (P)

TRIALLYL PHOSPHATE

Aldrich Chem Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Borden Chem Co (P)

TRIALLYL PHOSPHITE

Aldrich Chem Co (P)

TRIALUMINUM PHOSPHATE see Aluminum Phosphate, Tribasic

TRIAMMONIUM PHOSPHATE see Ammonium Phosphate, Tribasic

TRIAMYLAMINE

Pennsalt Chems Corp (P)
Wallach-Gracer Export Corp

TRIBROMOACETALDEHYDE

RSA Corp (P)

TRIBROMOETHANOL

Winthrop Labs (P)

TRIBROMOMETHANE see Bromoform

2,4,6-TRIBROMOPHENOL

Dow Chem Co (P)

TRIBROMOPHENOL-BISMUTH see Bismuth Tribromophenate

TRIBUTOXY ETHYL PHOSPHATE

Stoney-Mueller, Inc

FMC Corp, Chems & Plastics Div (P)
Anderson Chem Div (P)

TRIBUTYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Pennsalt Chems Corp (P)

TRIBUTYLBORANE

Callery Chem Co (P)

TRIBUTYL BORATE

U S Borax (P)

Anderson Chem Div (P)

TRIBUTYL CITRATE

Chas Pfizer & Co (P)

TRIBUTYL PHOSPATE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CELANESE CHEM CO (P)
►COMMERCIAL SOLVENTS CORP (P)
Stoney-Mueller, Inc

FMC Corp, Chems & Plastics Div (P)

TRIBUTYL PHOSPHITE

►VICTOR CHEM WORKS (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

TRIBUTYL TIN OXIDE

Cardinal Stabilizers (P)
►METAL & THERMIT CORP (P)

Norton Chem Works (P)

TRIBUTYRIN see Glyceryl Tributyrate

TRICALCIUM PHOSPHATE see Calcium Phosphate, Tribasic

TRICHLOROACETYL CHLORIDE

►ACETO CHEM CO (P)
Distillation Products Industries (P)

1,2,4-TRICHLOROBENZENE

American Mineral Spirits Co
Dow Chem Co (P)
►R W GREEFF & CO
►HOOKER CHEM CORP, PHOSPHORUS DIV
George Mann & Co

Montrose Chem Co (P)
Western Organics (P)

1,1,1-TRICHLOROETHANE (Methyl Chloroform)

American Mineral Spirits Co
American Oil & Supply Co
►CHEMICAL SOLVENTS, INC
Conray Products Co
Dow Chem Co (P)
Howe & French
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Solvents & Chems Group
Tuct, Inc (P)

1,1,2-TRICHLOROETHANE (β-Trichloroethane)

American Oil & Supply Co
Chemical Mfg Co
Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

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Lindane
PERCHLORETHYLENE
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Hexachloroethane
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Dept. D
220 E. 42nd St. New York 17, N. Y. Telephone:
Cable Address: intsel New York OXford 7-1331

TRICHLOROETHYLENE (Chlorylene, Westrosol, Trichloroethene, 1,2,2-Trichloroethylene)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstaine Corp
American Mineral Spirits Co
American Oil & Supply Co (P)
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
Chemical Mfg Co
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Conray Products Co
Diamond Alkali Co
Dow Chem Co (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Fisher Scientific Co (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
►HOOKER CHEM CORP, PHOSPHORUS DIV
Howe & French
International Selling Corp
►JONES CHEMS, INC
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Mercer Chem Corp
►MODERN SOLVENTS & CHEMS CORP
►PEERLESS OIL & CHEM CORP
William E Phillips Inc
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Republic Chem Corp
J U Starkweather Co
►STAUFFER CHEM CO (P)
Tect, Inc
Thompson-Hayward Chem Co
Joseph Turner & Co
Thomas A Edison Industries, Medical Gas Div (P)
Detrex Chem Industries (P)

TRICHLOROETHYL PHOSPHATE

►ACETO CHEM CO (P)

TRICHLOROMONOFLUOROMETHANE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

TRICHLORONITROMETHANE

see Chloropicrin

2,4,5-TRICHLOROPHENOL

Diamond Alkali Co (P)
Dow Chem Co (P)
►HOOKER CHEM CORP, PHOSPHORUS DIV

2,4,6-TRICHLOROPHENOL

Diamond Alkali Co (P)
Western Organics (P)

TRICHLOROPROPANE see Allyl Chloride

TRICHLOROTRIFLUOROETHANE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►DU PONT, "FREON" PRODUCTS DIV (P)
Pennsalt Chems Corp (P)
Union Carbide Chems Co (P)

TRICHOLINE CITRATE

J H DeLamar & Sons
►R W GREEFF & CO
Hoffman Labs (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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Ammonium Carbonate
Ammonium Bicarbonate
Sodium Sulfide
Sodium Hyposulphite
Sodium Thiosulfate
Cyanides
Copper
Potassium
Sodium
Zinc
Sodium Aluminate
Nonanol* (Nonyl Alcohol)
Chlorinated Rubber
Potassium Alum
Ammonium Alum
Aluminum Sulphate
Titanium Potassium Oxalate
* ICI trade name.
CHEMICAL MANUFACTURING CO., INC.
444 Madison Ave. • New York 22, N. Y.
714 West Olympic Blvd. Los Angeles 15, Calif.
114 Sansome Street. San Francisco 4, Calif.

American Cyanamid Co, Fine Chems Dept (P)
Carnegies Fine Chems (P)
Fleming Labs (P)
Roselle Labs (P)

TRICRESYL BORATE

U S Borax (P)

TRICRESYL PHOSPHATE

American Mineral Spirits Co
►BAIRD CHEM INDUSTRIES, INC
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
Falkek Chem Corp
►R W GREEFF & CO
►JONES CHEMS, INC
Kolker Chem Corp (P)
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
►MODERN SOLVENTS & CHEMS CORP
►MONSANTO CHEM CO (P)
►PEERLESS OIL & CHEM CORP
William E Phillips Inc
Pittsburgh Chem Co (P)
Stoney-Mueller, Inc

FMC Corp, Chems & Plastics Div (P)
Montrose Chem Co (P)

TRICRESYL PHOSPHITE

Kolker Chem Corp (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Montrose Chem Co (P)

TRICYCLOHEXYL BORATE

U S Borax (P)

n-TRIDECANE

Phillips Petroleum Co, Special Products Div (P)

TRIDECYL BORATE

U S Borax (P)

TRIDECYL PHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Kolker Chem Corp (P)

TRI-n-DODECYL BORATE

U S Borax (P)

TRIETHANOLAMINE (Trihydroxyethylamine)

►ALLIED CHEM CORP, NITROGEN DIV (P)
American Mineral Spirits Co (P)
American Oil & Supply Co
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Fisher Scientific Co (P)
Howe & French
►JEFFERSON CHEM CO (P)
Kraft Chem Co
Lotte Chem Corp
George Mann & Co
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
J U Starkweather Co
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

TRIETHANOLAMINE OLEATE

Dominion Products (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)
Pro-Chem, Inc (P)
Arthur C Trask Co (P)
Wye Industries (P)

TRIETHANOLAMINE PHOSPHATE

►VICTOR CHEM WORKS (P)

Dominion Products (P)
Emkay Chem Co (P)
Hodag Chem Corp (P)

TRIETHANOLAMINE STEARATE

Dominion Products (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
C P Hall Co (P)
Hodag Chem Corp (P)

TRIETHOXYBORON see Ethyl Borate

TRIETHOXYMETHANE see Triethyl-o-Formate

TRIETHYL ALUMINUM

Wallach-Gracer Export Corp

Anderson Chem Div (P)

TRIETHYLAMINE

Biddle Sawyer Corp
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►CHEMICAL SOLVENTS, INC
►McKESSON & ROBBINS, CHEM DEPT
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Stoney-Mueller, Inc
Union Carbide Chems Co (P)
Wallach-Gracer Export Corp

TRIETHYLAMMONIUM PHOSPHATE

►MONSANTO CHEM CO (P)

TRIETHYLBORANE

►STAUFFER CHEM CO (P)

Anderson Chem Div (P)
Callery Chem Co (P)

TRIETHYL BORATE see Ethyl Borate

TRIETHYL CITRATE

Chas Pfizer & Co (P)

TRIETHYLENE GLYCOL

Acton Labs (P)
►ALLIED CHEM CORP, NITROGEN DIV (P)
American Mineral Spirits Co
Antara Chems Div (P)
►BAIRD CHEM INDUSTRIES, INC
R J Brown Co
►CHEMICAL SOLVENTS, INC
Dow Chem Co (P)
Falkek Chem Corp
►JEFFERSON CHEM CO (P)
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT
Olin Mathieson Chem Corp, Organic Chems (P)
►PEERLESS OIL & CHEM CORP
Stoney-Mueller, Inc
Union Carbide Chems Co (P)

TRIETHYLENE GLYCOL DICAPRYLATE

Hatco Chem Div (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)

E F Drew & Co (P)
Foremost Food & Chem Co (P)
Hodag Chem Corp (P)
Rubber Corp of America (P)

TRIETHYLENE GLYCOL DICHLORIDE

Union Carbide Chems Co (P)

TRIETHYLENE GLYCOL DI(2-ETHYL-BUTYRATE)

Union Carbide Chems Co (P)

TRIETHYLENE GLYCOL DI(2-ETHYL-HEXOATE)

Union Carbide Chems Co (P)

Hodag Chem Corp (P)

TRIETHYLENE GLYCOL DIMETHACRYLATE

Sartomer Resins, Inc (P)

Borden Chem Co (P)

TRIETHYLENE GLYCOL DIPELARGONATE

Emery Industries (P)
Kessler Chem Co (P)

E F Drew & Co (P)
C P Hall Co (P)
Rubber Corp of America (P)

TRIETHYLENE MELAMINE

Chemirad Corp (P)
K & K Labs (P)

Hodag Chem Corp (P)

TRIETHYLENE TETRAAMINE

Dow Chem Co (P)
►McKESSON & ROBBINS, CHEM DEPT
Miller-Stephenson Chem Co (P)
Union Carbide Chems Co (P)

TRI(2-ETHYLHEXYL) BORATE

U S Borax (P)

TRI(2-ETHYLHEXYL) PHOSPHATE

►CHEMICAL SOLVENTS, INC
►PEERLESS OIL & CHEM CORP
Union Carbide Chems Co (P)

TRIETHYL-o-FORMATE (o-Formic Ester, Triethoxy Methane, Aethon)

►KAY-FRIES CHEMS (P)

TRIETHYLMETHYL MALONALDEHYDE DIACETAL see 1,1,3-Triethoxy-3-methoxypropane

TRIETHYL PHOSPHATE

►EASTMAN CHEM PRODUCTS (P)

TRIETHYL PHOSPHITE

►VIRGINIA-CAROLINA CHEM CORP (P)

TRIETHYL-o-PROPIONATE

►KAY-FRIES CHEMS (P)

Pierce Chem Co (P)

m-TRIFLUOROMETHYLPHENOL

Aldrich Chem Co (P)
Maumee Chem Co (P)
Riches-Nelson, Inc

Pierce Chem Co (P)

α-TRIFLUOROTOLUENE see Benzotrifluoride

TRIFORMOL see Trioxane

TRIGLYCOL see Triethylene Glycol

1,2,4-TRIHYDROXYANTHRAQUINONE see Purpurin

1,2,3-TRIHYDROXYBENZENE see Acid, Pyrogallic

1,2,4-TRIHYDROXYBENZENE see 1,2,4-Benzenetriol

1,3,5-TRIHYDROXYBENZENE see Phloroglucinol

TRIHYDROXYETHYLAMINE see Triethanolamine

TRIIODOMETHANE see Iodoform

TRIISOBUTYLENE

Atlantic Refining Co (P) Petro-Tex Chem
Texaco Inc (P) Corp (P)

TRIISOOCTYL PHOSPHITE

►VIRGINIA-CAROLINA CHEM CORP (P)

TRIISOPROPANOLAMINE

Union Carbide Chems Co (P)

TRIISOPROPYL BORATE

U S Borax (P)

TRIISOPROPYL PHOSPHITE

►VIRGINIA-CAROLINA CHEM CORP (P)

TRILAURYL TRITHIOPHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

TRIMAGNESIUM PHOSPHATE see Magnesium Phosphate, Tribasic

TRIMETHOXY ETHOXYPROPANE

►KAY-FRIES CHEMS (P)

TRIMETHYLAMINE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Pennsalt Chems Corp (P)
Rohm & Haas Co (P)

TRI(METHYL AMYL) BORATE

Anderson Chem Co (P)

2,4,5-TRIMETHYLANILINE see Pseudocumidine

1,2,4-TRIMETHYLBENZENE see Pseudocumene

1,3,5-TRIMETHYLBENZENE see Mesitylene

TRIMETHYL BORATE see Methyl Borate

TRIMETHYL CARBINOL see Alcohol, tert.-Butyl

3,35-TRIMETHYLCYCLOHEXANOL

Fritzsche Bros
►R W GREEFF & CO

Fries Bros (P)

TRIMETHYLENE see Cyclopropane

TRIMETHYLENE BROMIDE (1,3-Dibromopropane)

Dow Chem Co (P)

TRIMETHYLENE CHLOROBROMIDE (1-Bromo-3-Chloropropane)

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TRIMETHYLENE CHLOROHYDRIN

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Aldrich Chem Co (P)
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RSA Corp (P)
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Kaplop Labs (P)

TRIMETHYLENE GLYCOL

►ACETO CHEM CO (P)
Aldrich Chem Co (P)
Eastern Chem Corp
K & K Labs (P)
RSA Corp (P)
Roberts Chems, Inc (P)

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TRIMETHYLENE IODIDE (1,3-Diiodopropane)

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TRIMETHYLENE OXIDE see Trioxane

TRIMETHYL-o-FORMATE

►KAY-FRIES CHEMS (P)

TRIMETHYLGLYCINE HYDROCHLORIDE see Betaine Hydrochloride

2,2,5-TRIMETHYLHEXANE

Phillips Petroleum Co, Special Products Div

3,5,5-TRIMETHYL HEXAN-1-OL see Alcohol, 3,5,5-Trimethylhexyl

TRIMETHYLMETHANE see Isobutane

2,6,8-TRIMETHYL-4-NONANONE

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TRIMETHYLOLETHANE (Pentaglycerine, Methyl Trimethylol Methane)

Heyden Newport Chem Corp (P) Trojan Powder Co (P)

TRIMETHYLOLPROPANE (Hexaglycerine)

►CELANESE CHEM CO (P)
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Phillips Petroleum Co, Special Products Div (P)

2,4,4-TRIMETHYLPENTENE-1

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►ETHYL CORP (P)

TRIMETHYL PHOSPHITE

►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
Kelker Chem Corp (P)
►MONSANTO CHEM CO (P)
►VIRGINIA-CAROLINA CHEM CORP (P)

Montrose Chem Co (P)

1,3,7-TRIMETHYLXANTHINE see Caffeine

TRINIDAD PITCH see Asphalt

TRINITROFLUORENONE

Aero Chem Corp (P)
Eastern Chem Corp (P)
Farchan Research Labs (P)
K & K Labs (P)

Borden Chem Co (P)

2,4,6-TRINITROPHENOL see Acid, Picric

2,4,6-TRINITROTOLUENE (TNT)

►DU PONT, EXPLOSIVES DEPT (P)

TRIOXANE (sym-Trioxane, Triformol, Metaformaldehyde)

►CELANESE CHEM CO (P)

Kaplop Labs (P)

2,6,8-TRIOXYPURINE see Acid, Uric

TRIPALMITIN

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Fisher Scientific Co (P)

E F Drew & Co (P)

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Delaware Chems (P) Heyden Newport Chem
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U S Borax (P)

TRIPHENYLCHLOROSILANE

Dow Corning Corp (P)

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TRIPHENYLENE

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TRIPHENYLGUANIDINE

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►MONSANTO CHEM CO (P)
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Montrose Chem Co (P)

TRIPHENYL SULFONIUM CHLORIDE

►STAUFFER CHEM CO (P)

2,3,5-TRIPHENYLTETRAZOLIUM CHLORIDE see Tetrazolium Chloride

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Illinois Minerals Co (P)

TRIPOLITE see Diatomite

TRIPOTASSIUM PHOSPHATE see Potassium Phosphate, Tribasic

TRIPROPYLENE

Amoco Chems Corp (P)
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Montrose Chem Co (P)

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Michigan Chem Corp (P)

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►MONSANTO CHEM CO (P)

TRIS(2-ETHYLHEXYL) PHOSPHITE

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►VIRGINIA-CAROLINA CHEM CORP (P)

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Fisher Scientific Co (P)

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TRISODIUM PHOSPHATE see Sodium Phosphate, Tribasic

TRISTEARIN see Stearin

TROPAEOLIN D see Methyl Orange

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Polychemical Labs (P)
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Shwayder Chem Metallurgy Corp (P)
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Bram Metallurgical-Chem Co (P)
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Millmaster Chem Corp (P)
Var-Lac-Old Chem Co (P)

Metals & Controls Inc (P)
S W Shattuck Chem Co (P)
Spencer Chem Co (P)

URANIUM HEXAFLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Var-Lac-Old Chem Co (P)

URANIUM, METAL

Fairmount Chem Co (P)
Mallinckrodt Chem Works (P)
Var-Lac-Old Chem Co (P)

Metals & Controls Inc (P)

URANIUM NITRATE see Uranyl Nitrate

URANIUM OXIDE see Uranium Dioxide, Peroxide and Trioxide

URANIUM PEROXIDE

Spencer Chem Co (P)

URANIUM TETRAFLUORIDE

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Mallinckrodt Chem Works (P)
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UROTROPIN see Hexamethylenetetramine

V

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Fairmount Chem Co (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
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Vanadium Corp of America (P)

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Anderson Chem Div (P)
Bram Metallurgical-Chem Co (P)
Vanadium Corp of America (P)

VANADIUM TETRAOXIDE

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VARNISH BASES

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General Elec Co, Silicone Products (P)
Hercules Powder Co (P)
Hilton-Davis Chem Co Div (P)
Miller-Stephenson Chem Co (P)
Neville Chem Co (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Alkydol Labs (P)
Allied Finishing Specialties Co (P)
American Alkyd Industries of Cal (P)
American Lithographic Varnish Co (P)
DeSoto Chem Coatings (P)
Interchem Corp, Finishes Div (P)
Reichhold Chems, Inc (P)
Schenectady Varnish Co (P)

VARNISHES, ACID & ALKALI RESISTANT

►DU PONT, FABRICS & FINISHES DEPT (P)
Hilton-Davis Chem Co Div (P)
Miller-Stephenson Chem Co (P)
Sherwin-Williams Co (P)

Alkydol Labs (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
California Ink Co (P)
Ceilcote Co (P)
DeSoto Chem Coatings (P)
Heresite & Chem Co (P)
Interchem Corp, Finishes Div (P)
Fred'k H Levey Co (P)
Marblette Corp (P)
Pruett-Schaffer Chem Co (P)
Quigley Co (P)
Sauereisen Cements Co (P)
Schenectady Varnish Co (P)
United Lacquer Mfg Corp (P)
H M Wocher & Son (P)

VARNISHES, INSULATING

Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
Miller-Stephenson Chem Co (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Heresite & Chem Co (P)
Marblette Corp (P)
Moran Paint Co (P)
Schenectady Varnish Co (P)

VARNISHES, PRINTING INK

Sherwin-Williams Co (P)

Alkydol Labs (P)
American Alkyd Industries of Cal (P)
American Lithographic Varnish Co (P)
Lawter Chems (P)

VARNISHES, WATERPROOF

Dow Corning Corp (P)
►DU PONT, FABRICS & FINISHES DEPT (P)
Miller-Stephenson Chem Co (P)
Sherwin-Williams Co (P)
Union Carbide Corp, Silicones Div (P)

Alkydol Labs (P)
Allied Finishing Specialties Co (P)
Arco Co (P)
Armstrong Paint & Varnish Works (P)
California Ink Co (P)
DeSoto Chem Coatings (P)
Heresite & Chem Co (P)
Interchem Corp, Finishes Div (P)
Marblette Corp (P)
Moran Paint Co (P)
Pruett-Schaffer Chem Co (P)
Quigley Co (P)
Schenectady Varnish Co (P)
United Lacquer Mfg Corp (P)
H M Wocher & Son (P)

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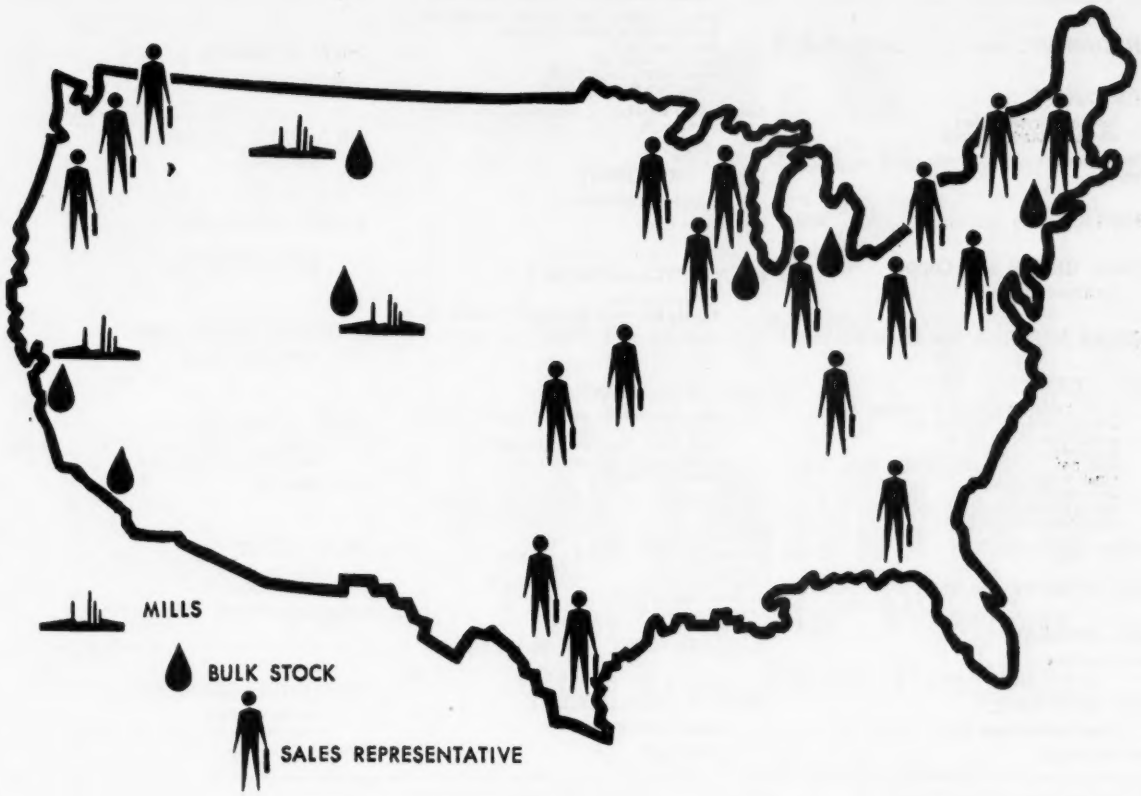
►ALLIED CHEM CORP, SOLVAY PROCESS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
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Atlas Chem Industries, Chems Div (P)
Dow Chem Co (P)
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Geigy Dyestuffs Div (P)
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M Michel & Co
Rumford Chem Works (P)
Union Carbide Chems Co (P)

Ciba Co (P)
E F Drew & Co (P)
Heyden Newport Chem Corp (P)
Emkay Chem Co (P)
Metro-Atlantic, Inc (P)
Warwick Chem Div (P)
Jacques Wolf & Co (P)

VEGETABLE CHARCOAL see Charcoal

VEGETABLE OILS see Oils, Vegetable

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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VEGETABLE SPERMACETI see Wax, Chinese

VENETIAN RED see Iron Oxide, Red

VERMICULITE

American Firstoline Corp
Whittaker, Clark & Daniels

California Products Corp (P)
Zonolite Co (P)

VERMILION see Mercury Sulfide, Red

VIENNA GREEN see Copper Acetoarsenite

VINEGAR NAPHTHA see Ethyl Acetate

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►BAIRD CHEM INDUSTRIES, INC
►CELANESE CHEM CO (P)
►CHEMICAL SOLVENTS, INC
►DU PONT, ELECTROCHEMS DEPT (P)
Fallek Chem Corp
Hestachem Corp
Pacific Carbide & Alloys Co (P)
Union Carbide Chems Co (P)

Shawinigan Products Corp (P)

VINYL BENZENE see Styrene Monomer

VINYL BROMIDE

Borden Chem Co (P)

VINYL BUTYRATE

Union Carbide Chems Co (P)

Borden Chem Co (P)

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Dow Chem Co (P)
►ETHYL CORP (P)
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Union Carbide Chems Co (P)

Goodyear Tire & Rubber Co, Chem Div (P)
Naugatuck Chem Div (P)

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Millmaster Chem Corp (P)

Borden Chem Co (P)

4-VINYLCYCLOHEXENE-1

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Cities Service Research & Development Co (P)

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Alkydol Labs (P)
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Clarkson Labs (P)
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R & A Leather Finish Co (P)
Wica Chems (P)

VINYLETHYLENE see Butadiene

VINYL 2-ETHYLHEXOATE

Union Carbide Chems Co (P)

Borden Chem Co (P)

2-VINYL-5-ETHYLPYRIDINE

Borden Chem Co (P)

VINYL FORMATE

Borden Chem Co (P)

VINYLIDENE CHLORIDE

Dow Chem Co (P)

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Midland Tar Distillers
Reilly Tar & Chem Corp (P)

N-VINYL-2-PYRROLIDONE

Antara Chems Div (P)

VINYL STEARATE

►AIR REDUCTION CHEM & CARBIDE CO (P)
Wallach-Gracer Export Corp

Borden Chem Co (P)

VINYL TOLUENE

Dow Chem Co (P)
George Mann & Co

Archer-Daniels-Midland Co (P)
Spencer Kellogg & Sons (P)

VINYLTRICHLOROSILANE

Dow Corning Corp
Union Carbide Corp, Silicones Div (P)

Peninsular Chem Research (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

MONSANTO

VINYL CHLORIDE MONOMER

Molecular Weights:
81.38 62.50

Specifications:
Clear, colorless, no suspended matter; polymer conversion, 80% minimum; inhibitor (phenol), 40-100 ppm; aldehydes (as acetaldehyde), 5 ppm maximum; acetylene, 2 ppm maximum; acidity (as HCl), 10 ppm maximum; iron, 0.5 ppm maximum; sulfur (as sulfur dioxide), 5 ppm maximum; high-boiling liquid impurities (other than inhibitor) above 25° C., 0.10% maximum; water, no free water

Standard Form:
Liquefied gas shipped either inhibitor-free or inhibited with phenol

Containers:
Tank cars, cylinders (200 lbs.)

Shipping Classification:
Rail

For technical data, write
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Union Carbide Corp, Silicones Div (P)
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C P Hall Co (P)
Raybo Chem Co (P)
Stepan Chem Co, Industrial Chems Div (P)

VITAMIN A

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►COMMERCIAL SOLVENTS CORP (P)
Distillation Products Industries (P)
►R W GREEFF & CO
Hoffman Labs (P)
Kolon Trading Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Riches-Nelson, Inc
Vitamins, Inc (P)

American Cyanamid Co, Fine Chems Dept (P)
Collett-Week Corp (P)
Douglas Chem Corp (P)
E F Drew & Co (P)
Hoffmann-La Roche (P)
Marine Products Co (P)
Roselle Labs (P)
Whitmoyer Labs (P)

(P) Company classifies itself as producer
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New Dry Vitamin A

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PLUS ALL THESE FINE MERCK VITAMINS

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Menadione U.S.P.
Niacin (Nicotinic Acid U.S.P.)
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Cobalamin Concentrate N.F. (Vitamin B_{12} Solids)

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MERCK CHEMICAL DIVISION
MERCK & CO., INC., RAHWAY, NEW JERSEY

VITAMIN B_1 see Thiamine Hydrochloride and Thiamine Mononitrate

VITAMIN B_2 see Riboflavin

VITAMIN B_5

Hoffman Labs (P)
Roselle Labs (P)

VITAMIN B_6 (Pyridoxine Hydrochloride, Vitamin B_6 Hydrochloride, 2-Methyl-4,5-dihydroxymethyl-3-hydroxy-4,5-dihydroxymethyl-pyridine Hydrochloride)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Hoffman Labs (P)
Kolon Trading Co
Mallinckrodt Chem Works (P)
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
George Uhe Co
Vitamins, Inc (P)

American Cyanamid Co, Fine Chems Dept (P)
Hoffmann-La Roche (P)
Roselle Labs (P)

VITAMIN B_{12}

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Conray Products Co
Kolon Trading Co
►ELI LILLY & CO, ELANCO DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Vitamins, Inc (P)

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Grain Processing Corp (P)
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VITAMIN C see Acid, Ascorbic

VITAMIN CONCENTRATES

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Distillation Products Industries (P)
►R W GREEFF & CO
Hoffman Labs (P)
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Standard Brands, Inc (P)
Thompson-Hayward Chem Co (P)
Vitamins, Inc (P)

Collett-Week Corp (P)
Fleming Labs (P)
Freeman Industries (P)
Grain Processing Corp (P)
Milbrew Co (P)
Roselle Labs (P)
Whitmoyer Labs (P)

VITAMIN D

►COMMERCIAL SOLVENTS CORP (P)
Dawe's Labs (P)
General Mills, Specialty Products Div (P)
►R W GREEFF & CO
Hoffman Labs (P)
Kolon Trading Co
►NOPCO CHEM CO (P)
Standard Brands, Inc (P)
Vitamins, Inc (P)

Collett-Week Corp (P)
E F Drew & Co (P)
Freeman Industries (P)
Marine Products Co (P)
Roselle Labs (P)
Whitmoyer Labs (P)

VITAMIN D_2

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dawe's Labs (P)
►R W GREEFF & CO
Hoffman Labs (P)
Kolon Trading Co
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Chas Pfizer & Co (P)
Standard Brands, Inc (P)
Vitamins, Inc (P)

American Cyanamid Co, Fine Chems Dept (P)
E F Drew & Co (P)
Freeman Industries (P)
Marine Products Co (P)
Roselle Labs (P)
R P Scherer Corp (P)
Whitmoyer Labs (P)

VITAMIN D_3

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►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Dawe's Labs (P)
Hoffman Labs (P)
Industrial Chem & Dye Co
Kolon Trading Co
►McKESSON & ROBBINS, CHEM DEPT
►NOPCO CHEM CO (P)
Riches-Nelson, Inc

E F Drew & Co (P)
Freeman Industries (P)
Marine Products Co (P)
Roselle Labs (P)
Whitmoyer Labs (P)

VITAMIN E

►BAIRD CHEM INDUSTRIES, INC
►CALIFORNIA CORP FOR BIOCHEM RESEARCH
►COMMERCIAL SOLVENTS CORP (P)
Distillation Products Industries (P)
General Mills, Specialty Products Div (P)
Hoffman Labs (P)
Kolon Trading Co
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►NOPCO CHEM CO (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
George Uhe Co
Vitamins, Inc

E F Drew & Co (P)
Hoffmann-La Roche (P)
Roselle Labs (P)

VITAMIN H see Biotin

VITAMIN K (Menadione, 2-Methyl-1,4-Naphthoquinone, Menaphthene, Menaphthone)

►BAIRD CHEM INDUSTRIES, INC
Kolon Trading Co
►ELI LILLY & CO, ELANCO DIV (P)
►McKESSON & ROBBINS, CHEM DEPT
Merck Chem Div (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Riches-Nelson, Inc
Vitamins, Inc (P)

Clinical Chems Corp (P)
E F Drew & Co (P)
Freeman Industries (P)
Guard Chem Co (P)
Roselle Labs (P)

VITAMIN K_3 see Menadione

VOLCANIC ASH

Tamms Industries
Whittaker, Clark & Daniels
►WYANDOTTE CHEMS CORP (P)

VOLUMETRIC SOLUTIONS

Industrial Chem & Dye Co

Bio-Rad Labs (P)
Hartman-Leddon Co (P)

VULCANIZING AGENTS, RUBBER

Dow Chem Co (P)
►DU PONT, ELASTOMERS DEPT (P)
Harwick Standard Chem Co
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►STAUFFER CHEM CO (P)
Union Carbide Corp, Silicones Div (P)

Adhesive Products Corp (P)
Catalin Corp of America (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Naugatuck Chem Div (P)
Thiokol Chem Corp (P)
Rare Metal Products Co (P)
R T Vanderbilt Co (P)
Wica Chems (P)

W

WALL SALTPETER see Calcium Nitrate

WARFARIN

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►MONSANTO CHEM CO (P)
Neville Chem Co (P)
►NOPCO CHEM CO (P)
Opalco Lab
►ONYX CHEM CO (P)
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Pittsburgh Chem Co (P)
Smith Chem & Color Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Tamms Industries
Union Carbide Corp, Silicones Div (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Adhesive Products Corp (P)
Arco Co (P)
Borden Chem Co (P)
Carboline Co (P)
Ceresit Corp (P)
Clarkson Labs (P)
Continental Chem Co (P)
Davies-Young Soap Co (P)
Frank D Davis Co (P)
Eastern Color & Chem Co (P)
Emkay Chem Co (P)
Franklin Oil Corp (P)
Hart Products Corp (P)
Kaysing Corp (P)
National Chem & Plastics Co (P)
National Gypsum Co (P)
Quigley Co (P)
Scher Bros (P)
Scholler Bros (P)
Shepherd Chem Co (P)
Socony Mobil Oil Co (P)
Textile Proofers (P)
Titan Chem Products (P)
Arthur C Trask Co (P)
Warwick Chem Div (P)
Wica Chems (P)

(P) Company classifies itself as producer
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WATER PURIFICATION CARBONS

Barnebey-Cheney Co (P)
L A Salomon & Bro

American Norit Co (P)
Collier Carbon & Chem Corp (P)
Chem-Pure Service Co (P)
Elgin Softener Corp (P)

WATER PURIFICATION COMPOUNDS —see also Filter Media

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Barnebey-Cheney Co (P)
Dow Chem Co (P)
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►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►PHILADELPHIA QUARTZ CO (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
►STAUFFER CHEM CO (P)
Stein Hall & Co (P)
►WYANDOTTE CHEMS CORP (P)

Britex Corp (P)
Chem-Pure Service Co (P)
Culligan, Inc (P)
Elgin Softener Corp (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Feedwaters, Inc (P)
Franklin Oil Corp (P)
Hagan Chems & Controls (P)
Nalco Chem Co (P)
Permutit Co (P)
Western Chem Co (P)

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Dow Corning Corp (P)
General Elec Co, Silicone Products (P)
►ONYX CHEM CORP (P)
Sherwin-Williams Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Union Carbide Corp, Silicones Div (P)

Adhesive Products Corp (P)
Arco Co (P)
Arnold, Hoffman & Co (P)
Axel Plastics Research Labs (P)
Bryant Chem Corp (P)
Burkart-Schler Chem Co (P)
Ceresit Corp (P)
Clarkson Labs (P)
Coopers Creek Chem Corp (P)
Crescent Oil Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Inertol Co (P)
Kaysing Corp (P)
Krylon, Inc (P)
Metro-Atlantic, Inc (P)
Moran Paint Co (P)
National Gypsum Co (P)
Warwick Chem Div (P)

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Bareco Wax Co (P)
Dow Corning Corp (P)
►DU PONT, DYES & CHEMS DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
General Elec Co, Silicone Products (P)
Maher Color & Chem Co (P)
M Michel & Co
►NOPCO CHEM CO (P)
►ONYX CHEM CORP (P)
Pennsylvania Industrial Chem Corp (P)
Treplow Chem Co (P)
Trio Chem Works (P)
Union Carbide Corp, Silicones Div (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

Amalgamated Chem Corp (P)
Arnold, Hoffman & Co (P)
Glover M Birk, Mfg Chemist (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
Burkart-Schler Chem Co (P)
Ciba Co (P)
Clarkson Labs (P)
Continental Chem Co (P)
Crown Chem Corp (P)
Davies-Young Soap Co (P)
Dixo Co (P)
E F Drew & Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Fabric Chem Co (P)
W F Fancourt Co (P)
Fiber Chem Corp (P)
Finetex Inc (P)
Hart Products Corp (P)
Metro-Atlantic, Inc (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Refined Products Co (P)
Scher Bros (P)
Scholler Bros (P)
Scientific Chems (P)
Shepherd Chem Co (P)
Socony Mobil Oil Co (P)
Tanatex Chem Corp (P)
Textile Proofers (P)
Titan Chem Products (P)
Velsicol Chem Corp (P)
Wallerstein Co (P)
Warwick Chem Div (P)
Wica Chems (P)

WAX, BAYBERRY

Alvares-Terner Corp
Wm Diehl & Co
International Wax Refining Co (P)
Will & Baumer Candle Co (P)

Strahl & Pitsch Inc (P)

WAX, BEES (Yellow Wax, Cera Flava)

Alvares-Terner Corp
Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
Chas L Huisking & Co
International Wax Refining Co (P)
►S B PENICK & CO
L A Salomon & Bro
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Theodor Leonhard Wax Co (P)
Dadant & Sons (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, BEES, SUBSTITUTE

Bareco Wax Co (P)
Boler Petroleum Co (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV (P)
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, CANDELILLA

Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co
►WESTERN PENNSYLVANIA CHEM CO
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, CARNAUBA (Brazil Wax)

Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co
►S B PENICK & CO
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

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WAX, CARNAUBA, SUBSTITUTE

Boler Petroleum Co (P)
Concord Chem Co (P)
Wm Diehl & Co (P)
Dura Commodities Corp
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
James V Bibbo Co (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, CERESIN (Cerin, Cerosin, Earth Wax, Mineral Wax, Purified Ozocerite)

Wm Diehl & Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
M W Parsons-Plymouth (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►WARWICK WAX DIV (P)
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, CERESIN, SYNTHETIC

Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►WARWICK WAX DIV (P)
Will & Baumer Candle Co (P)

M Argueso & Co (P)
Boler Petroleum Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, CHINESE (Insect Wax, Vegetable Spermaceti, Tree Wax)

International Wax Refining Co

WAX, EARTH see Wax, Ceresin

WAX, JAPAN (Japan Tallow, Vegetable Wax of Japan, Sumac Wax)

Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co (P)
Robeco Chems
Will & Baumer Candle Co

Cornelius Wax Refining Corp (P)
M Argueso & Co (P)
G S Ziegler & Co (P)

WAX, LANOLIN (Lanolin Alcohols)

Croda, Inc (P)
International Wax Refining Co
Pennotex Oil Corp (P)

Lanaetex Products (P)
Malmstrom Chem Corp (P)
Robinson Wagner Co (P)

WAX, LIGNITE see Wax, Montan

WAX, MONTAN (Lignite Wax)

Wm Diehl & Co
Dura Commodities Corp
Hostawax Co
International Wax Refining Co (P)

M Argueso & Co (P)
G S Ziegler & Co (P)
Cornelius Wax Refining Corp (P)

WAX, OURICURY

Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, OZOCERITE

Charles B Chrystal Co
Dura Commodities Corp
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
M W Parsons-Plymouth (P)
L A Salomon & Bro

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, PALM

Wm Diehl & Co
International Wax Refining Co (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAX, PARAFFIN

American Firstoline Corp
American Oil & Supply Co
Dura Commodities Corp
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co
Pennotex Oil Corp (P)
Republic Chem Corp
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV

Cornelius Wax Refining Corp (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)
Trans Penn Wax Corp (P)
G S Ziegler & Co (P)

WAX, SHELLAC

Acme Shellac Products Co (P)
Wm Diehl & Co
International Wax Refining Co

William Zinsser & Co (P)

WAX, SPERMACETI (Cetaceum) see SPERMACETI

WAX, SUGAR CANE

Dura Commodities Corp
International Wax Refining Co
►WARWICK WAX DIV
Will & Baumer Candle Co (P)

G S Ziegler & Co (P)

WAX, SUMAC see Wax, Japan

WAX, TREE see Wax, Chinese

WAX, VEGETABLE see Wax, Japan

WAX, YELLOW see Wax, Bees

WAX EMULSIONS

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
Bareco Wax Co (P)
Concord Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Dura Commodities
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Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Trio Chem Works (P)
Valchem
►WARWICK WAX DIV (P)

Adhesive Products Corp (P)
Amalgamated Chem Corp (P)
Arol Chem Products (P)
Axel Plastics Research Labs (P)
B B Chem Co (P)
Beacon Chem Industries (P)
Bennett Inc (P)
Glover M Birk, Mfg Chemist (P)
Boler Petroleum Co (P)
Borden Chem Co (P)
Bryant Chem Corp (P)
Chapman Chem Co (P)
Chemical Compounding Corp (P)
Chicago Sanitary Products Co (P)
Columbia Wax Co (P)
Davies-Young Soap Co (P)
E F Drew & Co (P)
Emkay Chem Co (P)
Eastern Color & Chem Co (P)
Franklin Oil Corp (P)
Fuld Bros (P)
General Latex & Chem Corp (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Metro-Atlantic, Inc (P)
Oil-Kraft, Inc (P)
R & A Leather Finish Co (P)
Reilly-Whiteman-Walton Co (P)
Scholler Bros (P)
Werner G Smith, Inc (P)
Socony Mobil Oil Co (P)
Titan Chem Products (P)
Uncle Sam Chem Co (P)
Warwick Chem Div (P)
Wica Chems (P)
Woodbury Chem Co (P)

WAXES see also Wax

WAXES, AMORPHOUS

Dura Commodities Corp
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAXES, BARRIER

Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Pyroxylin Products (P)
Socony Mobil Oil Co (P)

WAXES, CABLE

Bareco Wax Co (P)
Wm Diehl & Co
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Strahl & Pitsch Inc (P)

WAXES, CARBON PAPER

Bareco Wax Co (P)
Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
Esso Standard Oil (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
M Michel & Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Cornelius Wax Refining Corp (P)
Pyroxylin Products (P)
Frank B Ross Co (P)
Shell Oil Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

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WAXES, CASTING

Bareco Wax Co (P)
Concord Chem Co (P)
Wm Diehl & Co
Esso Standard Oil (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Merlx Chem Co (P)
Cornelius Wax Refining Corp (P)
Reilly-Whiteman-Walton Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAXES, DAIRY

American Mineral Spirits Co (P)
Bareco Wax Co (P)
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Pyroxylin Products (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Trans Penn Wax Corp (P)

WAXES, DIPPING

Bareco Wax Co (P)
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
Trio Chem Works (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Franklin Oil Corp (P)
Hi-Test Chem Corp (P)
I Pomeroy Co (P)
Pyroxylin Products (P)
Socony Mobil Oil Co (P)
G S Ziegler & Co (P)

WAXES, ELECTROTYPERS'

Bareco Wax Co (P)
Charles B Chrystal Co
Concord Chem Co (P)
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAXES, FIRE-RESISTANT

International Wax Refining Co

WAXES, FISCHER-TROPSCH

Bareco Wax Co (P)
Dura Commodities Corp
International Wax Refining Co
►WARWICK WAX DIV
M Argueso & Co (P)

WAXES, FLOOR

American Oil & Supply Co (P)
Bareco Wax Co (P)
Concord Chem Co (P)
Wm Diehl & Co
Sherwin-Williams Co (P)
Trio Chem Works (P)
►WARWICK WAX DIV (P)
Will & Baumer Candle Co (P)

Arol Chem Products (P)
Bennett Inc (P)
Berkshire Color & Chem Corp (P)
Britex Corp (P)
Chemical Compounding Corp (P)
Chicago Sanitary Products Co (P)
Columbia Wax Co (P)
Davies-Young Soap Co (P)
DuBois Co (P)
Eastern Color Chem Co (P)
Essential Chem Co (P)
Franklin Oil Corp (P)
Fuld Bros (P)
Oil-Kraft, Inc (P)
Pierce & Stevens Chem (P)
Riverside Chem Co (P)
Uncle Sam Chem Co (P)
Woodbury Chem Co (P)

WAXES, INSECT see Wax, Bees; Wax, Chinese and Wax, Shellac

WAXES, INSULATING

Bareco Wax Co (P)
Boler Petroleum Co (P)
Concord Chem Co (P)
Wm Diehl & Co
Esso Standard Oil (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Bowax Corp (P)
Cornelius Wax Refining Corp (P)
Hi-Test Chem Corp (P)
Joy Chem Inc (P)
Pyroxlin Products (P)
Frank B Ross Co (P)
Socony Mobil Oil Co (P)
G S Ziegler & Co (P)

WAXES, LAMINATING

Bareco Wax Co (P)
Concord Chem Co (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Boler Petroleum Co (P)
Borden Chem Co (P)
Cornelius Wax Refining Corp (P)
Joy Chem Inc (P)
Pyroxylin Products (P)
Frank B Ross Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
G S Ziegler & Co (P)

WAXES, MICROCRYSTALLINE

American Mineral Spirits Co (P)
Bareco Wax Co (P)
Concord Chem Co (P)
Dura Commodities Corp
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
Wallach-Gracer Export Corp
►WARWICK WAX DIV (P)

(Continued)

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straight or custom-made

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- Controlled Quality
- Consistent Uniformity
- Dependable Supply

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HARD WAXES	PETROLITE C-1035	195	3	1½	NIL	NIL
	PETROLITE C-200-7	190	4	†	NIL	NIL
	PETROLITE C-700	190	4	1½	NIL	NIL
	PETROLITE C-200	190	8	†	NIL	NIL
	PETROLITE C-500	190	8	2½	NIL	NIL
	BE SQUARE 190/195	190	7	1½*	NIL	NIL
	BE SQUARE 180/185	180	11	1½*	NIL	NIL
	STARWAX 100	180	16	2*	NIL	NIL
PLASTIC WAXES	BE SQUARE 170/175	170	20	1½*	NIL	NIL
	CERAWELD	155	25	2½*	NIL	NIL
	CERATAK	155	30	2½	NIL	NIL
	VICTORY	155	30	2½*	NIL	NIL
	ULTRAFLEX	143	30	2*	NIL	NIL
EMULSIFIABLE WAXES	PETROLITE C-15	180	6	5	15/17	45/55
	PETROLITE C-23	180	6	5	20/25	55/65
	PETROLITE C-36	180	7	6	30/35	75/85
	PETROLITE PE-100	195	3	6	15/20	45/55
	PETRONAUBA C	180	7	3	22/28	50/60
	PETRONAUBA D	185	5	6	20/28	50/60
	PETRONAUBA F	180	5	3	15/25	50/60
	PETRONAUBA H	195	3	4	15/25	50/60
	PETRONAUBA W	180	8	1	22/30	45/55
SYNTHETIC WAXES	PETROLITE C-7500	205	3	2	10/13	25/30
	PETROLITE C-8500	200	7	3	6.5/8.5	25/35
	PETROLITE R-50	190	2	4½	40/50	65/80
	PETROLITE P-20	210	2	3	NIL	NIL
	PETROLITE P-25	210	2	3	NIL	NIL
	PETROLITE WB2	180	5	†	23/30	70/85
	PETROLITE WB5	185	3	†	19/27	50/65
	PETROLITE WB7	188	2.5	Dark	10/20	40/60
	PETROLITE PC13	185	8	5	NIL	NIL
	PETROLITE PC44	160	4	5	NIL	NIL

*Also available in other colors †Brown AP-61-9

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SALES OFFICE: 917 Enterprise Bldg., Tulsa 3, Okla.

NAME OF WAX	M. P. A. S. T. M. D-127-30	PENETRATION 100g/77°/ 5 sec.	COLOR N. P. A.	ACID NUMBER	SAPONIFICATION VALUE	TYPE
Albaplex	200-205	1-2	0-2	7-10	24-28	Plastomer
Cardis Polymer #10	212-216	0-1	1-1½	8-10	25-30	Polymer
Cardis Polymer #8℗	205-210	1-2	0-2	7-10	24-28	Polymer
Cardis 935	210-214	2-3	1-1½	16-18	38-42	Polymer
Cardis One℗	195-200	1-3	0-2½	12-16	45-55	Emulsifiable Petroleum Wax
Cardis 314®	184-189	4-6	1-3	13-16	45-55	Emulsifiable Petroleum Wax
Cardis 319®	180-185	5-7	2-4	18-20	65-70	Emulsifiable Petroleum Wax
Cardis 320®	180-185	5-7	1-3	28-30	75-80	Emulsifiable Petroleum Wax
Cardis 262®	195-200	3-6	Brown	14-17	40-45	Specially Processed Petroleum Wax
Polymekon℗	195-205	0-3	Yellow	0-0	0-0	Specially Processed Petroleum Wax
Fortex®	195-200	3-4	0-2	0-0	0-0	Microcrystalline Hard & Plastic
Mekon® Brown	195-200	3-4	Brown	0-0	0-0	Microcrystalline Hard & Brittle
Mekon® Amber	195-200	3-4	6 Max.	0-0	0-0	Microcrystalline Hard & Brittle
Mekon® White	195-200	3-4	0-1	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax 180 White	180-185	4-7	White	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax 180 Brown	180-185	4-7	Brown	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax 150-A Yellow	155-165	25 Max.	2 Max.	0-0	0-0	Microcrystalline Plastic
Warco® Wax 150-A Brown	155-165	25 Max.	Brown	0-0	0-0	Microcrystalline Plastic
Warcosine®	150-160	30 Max.	White	0-0	0-0	Microcrystalline Plastic
Paraffin			All Grades			Crystalline
Cane Wax 500	170-176	2 Max.	Tan	26-32	75-95	Vegetable Wax
Cane Wax 511	176-180	2 Max.	Brown	62-68	130-140	Vegetable Wax
Cane Wax 517-711	176-180	2 Max.	Black	11-14	75-85	Vegetable Wax
Cane Wax 700	171-177	2 Max.	Light Brown	26-32	70-90	Vegetable Wax

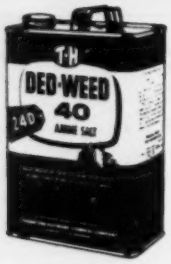
Select from the world's largest line of specialty waxes . . . now offered with completely new suggested formulations. Warwick brings you waxes use-proven in every type of application. Whatever your product or your problem—for technical data and assistance, our wax chemists are at your service. Thirty-three stock and service centers throughout the United States and Canada assure next-day delivery. Write or telephone Warwick today for our latest price list and directory of distributors. Samples on request.

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Naugatuck Chem Div (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAXES, MINERAL

Bareco Wax Co (P)
Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
Esso Standard Oil (P)
Hostawax Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)

Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Shell Oil Co (P)
Strahl & Pitsch Inc
G S Ziegler & Co (P)

WAXES, NATURAL

S L Abbot Co
Concord Chem Co (P)
Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co
M Michel & Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
►WARWICK WAX DIV

M Argueso & Co (P)
Cornelius Wax Refining Corp (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc
Triangle Chem Co (P)
G S Ziegler & Co (P)

WAXES, PETROLEUM

American Mineral Spirits Co (P)
American Oil & Supply Co (P)
Bareco Wax Co (P)
Cary Chems (P)
Concord Chem Co (P)
Esso Standard Oil (P)
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
►SONNEBORN CHEM & REFINING CORP (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

Atlantic Refining Co (P)
Cornelius Wax Refining Corp (P)
Naugatuck Chem Div (P)
Pennsylvania Refining (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)
Trans Penn Wax Corp (P)

WAXES, POLYETHYLENE

American Oil & Supply Co (P)
Bareco Wax Co (P)
Dow Chem Co (P)
►EASTMAN CHEM PRODUCTS (P)
International Wax Refining Co (P)
►WARWICK WAX DIV (P)
►WYANDOTTE CHEMS CORP (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Boler Petroleum Co (P)
Borden Chem Co (P)
Cornelius Wax Refining Corp (P)
Pyroxylin Products (P)
Frank B Ross Co (P)
Trans Penn Wax Corp (P)
Woodbury Chem Co (P)
G S Ziegler & Co (P)

WAXES, SYNTHETIC

►AIR REDUCTION CHEM & CARBIDE CO (P)
American Oil & Supply Co (P)
Argus Chem Corp (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Baker Castor Oil Co (P)
Bareco Wax Co (P)
Boler Petroleum Co (P)
Cary Chems (P)
►COMMERCIAL SOLVENTS CORP (P)
Concord Chem Co (P)
Wm Diehl & Co
Dow Chem Co (P)
Dura Commodities Corp
►EASTMAN CHEM PRODUCTS (P)
Hostawax Co
International Wax Refining Co (P)
Kessler Chem Co (P)
►MONSANTO CHEM CO (P)
►NOPCO CHEM CO (P)
Pennotex Oil Corp (P)
L A Salomon & Bro
Union Carbide Chems Co (P)
►WARWICK WAX DIV (P)
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
M Argueso & Co (P)
Carlisle Chem Works (P)
Cornelius Wax Refining Corp (P)
Essential Chems Co (P)
Hi-Test Chem Corp (P)
Minnesota Mining & Mfg Co, Chem Div (P)
Reilly-Whiteman-Walton Co (P)
Frank B Ross Co (P)
Strahl & Pitsch Inc (P)
G S Ziegler & Co (P)

WAXES, TWINE & CORDAGE

Bareco Wax Co (P)
Wm Diehl & Co
Industrial Raw Materials Corp (P)
International Wax Refining Co (P)
►SUN OIL CO (P)
►WARWICK WAX DIV (P)

M Argueso & Co (P)
Atlantic Refining Co (P)
Cornelius Wax Refining Corp (P)
Emkay Chem Co (P)
E F Houghton & Co (P)
Joy Chem Inc (P)
Frank B Ross Co (P)
Shell Oil Co (P)
Socony Mobil Oil Co (P)
Strahl & Pitsch Inc (P)

WAXES, VEGETABLE see Waxes, Natural

WEED KILLERS

Acton Labs (P)
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Oil & Supply Co
►AMERICAN POTASH & CHEM CORP (P)
Ansul Chem Co (P)
►BAIRD CHEM INDUSTRIES, INC
Concord Chem Co (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Esso Standard Oil (P)
Faesy & Besthoff
►HARSHAW CHEM CO
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)
International Selling Corp
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Pennsalt Chems Corp (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Roberts Chems, Inc (P)
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
H P Rossiger & Co (P)
Sherwin-Williams Co (P)
►STAUFFER CHEM CO (P)
Thompson-Hayward Chem Co (P)
Trio Chem Works (P)
Union Carbide Chems Co (P)

Aetna Chem Corp (P)
Amchem Products (P)
Atlantic Refining Co (P)
Chapman Chem Co (P)
Chemical Compounding Corp (P)
Chemical Insecticide Corp (P)
Chipman Chem Co (P)
Continental Chem Co (P)
Coopers Creek Chem Corp (P)
Eastern States Petroleum & Chem Corp (P)
Geigy Agricultural Chems Div (P)
Industrial Materials Co (P)
Los Angeles Chem Co (P)
Miller Chem & Fertilizer Corp (P)
Nalco Chem Co (P)
Naugatuck Chem Div (P)
Olin Mathieson Chem Corp, Plant Food (P)
Reade Mfg Co (P)
Shepherd Chem Co (P)
Socony Mobil Oil Co (P)
Thompson Chems Corp (P)
Woodbury Chem Co (P)
York Chem Co (P)

WEIGHTERS, TEXTILE see Textile Weighting Compounds

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

WETTING AGENTS

►AIR REDUCTION CHEM & CARBIDE CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Antara Chems Div (P)
Ardmore Chem Co (P)
Armour Industrial Chem Co (P)
Atlas Chem Industries, Chems Div (P)
Baker Castor Oil Co (P)
►BARCLAY CHEM CO
►BRYTON CHEM CO (P)
Concord Chem Co (P)
►CONTINENTAL OIL CO (P)
Diamond Alkali Co (P)
Dow Chem Co (P)
►DU PONT, DYES & CHEMS DIV (P)
Emery Industries (P)
Geigy Dyestuff Div (P)
General Mills, Chem Div (P)
Hercules Powder Co (P)
International Selling Corp
►JEFFERSON CHEM CO (P)
Kessler Chem Co (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
M Michel & Co (P)
►NOPCO CHEM CO (P)
Olin Mathieson Chem Corp, Blockson Chems (P)
Olin Mathieson Chem Corp, Industrial Chems (P)
Olin Mathieson Chem Corp, Organic Chems (P)
►ONYX CHEM CORP (P)
Oronite Div (P)
►PEERLESS OIL & CHEM CORP
Pennsalt Chems Corp (P)
Chas Pfizer & Co, Plastic & Plasticizer Dept (P)
Process Chems Co (P)
Roberts Chems, Inc (P)
Rohm & Haas Co (P)
Sole Chem Co (P)
►SONNEBORN CHEM & REFINING CORP (P)
Synthetic Chems (P)
Treplow Chem Co (P)
Trio Chem Works (P)
►ULTRA CHEM WORKS
Union Carbide Chems Co (P)
Union Carbide Corp, Silicones Div (P)
►VICTOR CHEM WORKS (P)
Whittaker, Clark & Daniels
►WILSON-MARTIN (DIV WILSON & CO) (P)
►WITCO CHEM CO (P)
►WYANDOTTE CHEMS CORP (P)

Advance Solvents & Chem Div (P)
Amalgamated Chem Corp (P)
American Alcolac Corp (P)
American Smelting & Refining Co (P)
Arnold, Hoffman & Co (P)
Arol Chem Products (P)
Atlantic Refining Co (P)
Barlow Chem Corp (P)
Britex Corp (P)
Carlisle Chem Works (P)
Ciba Co (P)
Clarkson Labs (P)
Colgate-Palmolive Co (P)
Crown Chem Corp (P)
Dixo Co (P)
E F Drew & Co (P)
DuBois Co (P)
Eastern Color & Chem Co (P)
B R Elk & Co (P)
Emkay Chem Co (P)
Essential Chem Co (P)
Finetex Inc (P)
Geigy Industrial Chems (P)
Hagan Chems & Controls (P)
C P Hall Co (P)
Hart Products Corp (P)
E F Houghton & Co (P)
Jewel Labs (P)
Joy Chem Inc (P)
Merix Chem Co (P)
Metro-Atlantic, Inc (P)
Mona Industries (P)
Naico Chem Co (P)
Petrochemicals Co (P)
Pro-Chem, Inc (P)
Procter & Gamble Co (P)
Protean Chem Corp (P)
Reilly-Whiteman-Walton Co (P)
Royce Chem Co (P)
Scher Bros (P)
Scholler Bros (P)
Seaboard Chems (P)
Stepan Chem Co, Industrial Chems Div (P)
Tanatex Chem Corp (P)
Titan Chem Products (P)
Tretolite Co Div (P)
Troy Chem Co (P)
Universal Detergents (P)
Warwick Chem Div (P)
Western Chem & Mfg Co (P)
Wica Chems (P)
Wye Industries (P)

WHITE ARSENIC see Arsenic Trioxide

WHITENING AGENTS—see also Brighteners, Fluorescent

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
►FMC CORP, CHLOR-ALKALI DIV (P)
Geigy Dyestuff Div (P)
General Dyestuff Co (P)
Hilton-Davis Chem Co Div (P)
J M Huber Corp (P)
►KOPPERS CO, CHEMS & DYESTUFFS DIV (P)
Maher Color & Chem Co (P)
Pennsalt Chems Corp (P)
Verona-Pharma Chem Corp (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Arnold-Hoffman & Co (P)
Carlisle Chem Works (P)
Ciba Co (P)
Continental Chem Co (P)
Emkay Chem Co (P)
Fiber Chem Corp (P)
Geigy Industrial Chems (P)
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drum-dried
liquid

synthetic detergents

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NON-IONIC SPRAY-DRIED DETERGENT
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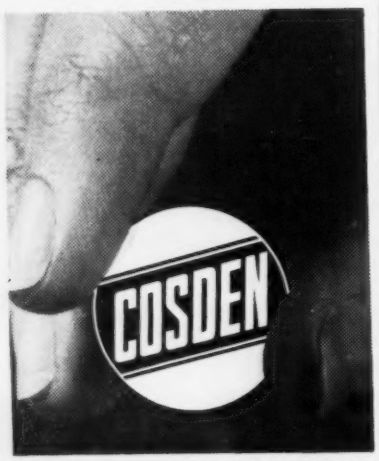
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Big Spring, Texas

WHITING (Gilder's Whiting)—see also Calcium Carbonate

►BERKSHIRE CHEMS INC
Charles B Chrystal Co
Georgia Marble Co (P)
►HARSHAW CHEM CO
Harwick Standard Chem Co
Kraft Chem Co
►McKESSON & ROBBINS, CHEM DEPT
Mississippi Lime Co (P)
L A Salomon & Bro
Smith Chem & Color Co
Tamms Industries
Charles A Wagner Co
Whittaker, Clark & Daniels
C K Williams & Co (P)

Calcium Carbonate Co (P)
Commercial Minerals Co (P)
Industrial Minerals & Chem Co (P)
Smith Lime Flour Co (P)
National Gypsum Co (P)

WINE LEES see Argols

WINTERGREEN see Methyl Salicylate

WITHERITE see Barium Carbonate

WOLFRAM see Tungsten, Metal

WOLLASTONITE

Cabot Corp (P)

WOOD BLEACHES

►DU PONT, ELECTROCHEMS DEPT (P)
►PITTSBURGH PLATE GLASS CO, CHEM DIV (P)
Sherwin-Williams Co (P)

WOOD CHARCOAL see Charcoal

WOOD FLOUR (Wood Meal)

American Colloid Co (P)

Composition Materials Co (P)
Wilner Wood Flour Co (P)

WOOD-TAR see Tar, Wood

WOOD VINEGAR see Acid, Pyroligneous

WOOL-FAT see Lanolin

WOOL GREASE se Degras

WOOL MORDANT see Chromium Sulfate

X

XANTHATES

►AMERICAN CYANAMID CO, ORGANIC CHEMS DIV (P)
B T Chemco
Bergstrom Trading Co
Dow Chem Co (P)
Indussa Corp
Naugatuck Chem Div (P)

XANTHENE

Aldrich Chem Co (P)
Eastern Chem Corp (P)
K & K Labs (P)
RSA Corp (P)

XANTHINE (2,6-Dioxypurine)

►CALIFORNIA CORP FOR BIOCHEM RESEARCH (P)

Krishell Labs (P)
Schwarz BioResearch (P)

XANTHONE (Benzophenone Oxide)

Aldrich Chem Co (P)
Eastern Chem Corp (P)
K & K Labs (P)
RSA Corp (P)

Brothers Chem Co (P)
Pilot Chems, Inc (P)

XANTHOPHYLL

►R W GREEFF & CO

Grain Processing Corp (P)

XENON

American Oil & Supply Co (P)
Mallinckrodt Chem Works (P)
Neville Chem Co
Samincorp

Air Reduction Sales Co (P)
Signal Oil & Gas Co (P)
Vickers Petroleum Co (P)

XYLENE (Xylol, Dimethylbenzene)

►ALLIED CHEM CORP, PLASTICS DIV (P)
►AMERICAN-BRITISH CHEM SUPPLIES
American Mineral Spirits Co (P)
American Oil & Supply Co (P)
Amoco Chems Corp (P)
►J T BAKER CHEM CO (P)
R J Brown Co
Browning Chem Corp
►CHEMICAL SOLVENTS, INC
Chemsol, Inc
Cosden Petroleum Corp (P)
Delhi-Taylor Oil Corp, Chem Div (P)
Esso Standard Oil (P)
Failek Chem Corp
Fisher Scientific Co (P)
►JONES CHEMS, INC
E & F King & Co
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Mercury Chem Corp
►PEERLESS OIL & CHEM CORP
Phillips Petroleum Co, Special Products Div (P)
►SINCLAIR PETROCHEMS (P)
Stoney-Mueller, Inc
►SUN OIL CO (P)
Tar Residuals
►TENNESSEE PRODUCTS & CHEM CORP (P)
United States Pipe & Foundry Co (P)
Valchem

Alabama By-Products Corp (P)
Archer-Daniels-Midland Co (P)
Bethlehem Steel Co (P)
Coastwise Petroleum Co (P)
Colorado Fuel & Iron Corp (P)
Crowley Tar Products Co (P)
Donner-Hanna Coke Corp (P)
Delhi-Taylor Oil Corp (P)
Eastern States Petroleum Chem Corp (P)
Inland Steel Co (P)
Jones & Laughlin Steel Corp (P)
Shell Oil Co (P)
Tenneco Oil Co (P)
U S Steel Corp (P)

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Chemsol, Inc
Cosden Petroleum Corp (P)
Fallek Chem Corp
►R W GREEFF & CO
►JONES CHEMS, INC
Nitrogen Products, Inc
Oronite Div (P)
Phillips Petroleum Co, Special Products Div (P)

Brothers Chem Co (P)
Signal Oil & Gas Co (P)
Crowley Tar Products Co (P)

o-XYLENE

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Chemsol, Inc
Cosden Petroleum Corp (P)
►ENJAY CHEM CO (P)
Fallek Chem Corp
►JONES CHEMS, INC
Nitrogen Products, Inc
Oronite Div (P)
Phillips Petroleum Co, Special Products Div (P)
Samincorp
►SINCLAIR PETROCHEMS (P)

Crowley Tar Products Co (P)
Delhi-Taylor Oil Corp (P)
Signal Oil & Gas Co (P)
Tenneco Oil Co (P)

p-XYLENE

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Chemsol, Inc
►ENJAY CHEM CO (P)
Fallek Chem Corp
►JONES CHEMS, INC
Nitrogen Products, Inc
Oronite Div (P)
Phillips Petroleum Co, Special Products Div (P)
Samincorp
►SINCLAIR PETROCHEMS (P)
Thompson-Hayward Chem Co

Crowley Tar Products Co (P)
Signal Oil & Gas Co (P)

3,4-XYLENOL

Aldrich Chem Co (P)
M W Hardy & Co (P)

►KOPPERS CO, TAR PRODUCTS DIV (P)
Productol Co (P)

Crowley Tar Products (P)
Jefferson Lake Sulphur Co,
Merichem Div (P)
Northwest Petrochem Corp (P)

XYLENOLS (Dimethylphenols)

Aldrich Chem Co (P)
►ALLIED CHEM CORP, PLASTICS DIV (P)
Concord Chem Co (P)
M W Hardy & Co (P)
►KOPPERS CO, TAR PRODUCTS DIV (P)
Mercer Chem Corp
Midland Tar Distillers
Pittsburgh Chem Co (P)
Productol Co (P)
Tar Residuals

Crowley Tar Products (P)
Jefferson Lake Sulphur Co,
Merichem Div (P)
Northwest Petrochem Corp (P)
Pitt-Consol Chem Co (P)

2,6-XYLIDINE

►ACETO CHEM CO
Aldrich Chem Co (P)

m-XYLIDINE

►DU PONT, DYES & CHEMS DIV (P)

Atlantic Chem Corp (P)

XYLIDINES, MIXED (Aminodimethylbenzene, Aminoxylene, Methyltoluidines, Dimethylanilines)

►ACETO CHEM CO (P)
►ALLIED CHEM CORP, NATIONAL ANILINE DIV (P)
►DU PONT, DYES & CHEMS DIV (P)
Phillips Petroleum Co, Special Products Div (P)

Milwaukee Solvay Coke Co (P)

XYLOL see Xylene

Y

YARA YARA see Ether, β-Naphthyl Methyl

YEAST

►AMERICAN-BRITISH CHEM SUPPLIES
Bonowitz Chems
Lake States Yeast & Chem Div
Standard Brands, Inc (P)
Vitamins, Inc

Amber Labs (P)
Milbrew Co (P)
Pabst Brewing Co (P)
Schwarz BioResearch (P)

YOHIMBINE HYDROCHLORIDE

European Chem Co
Henley & Co
►S B PENICK & CO (P)

Inland Alkaloid (P)

YTTERBIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)

YTTERBIUM OXIDE

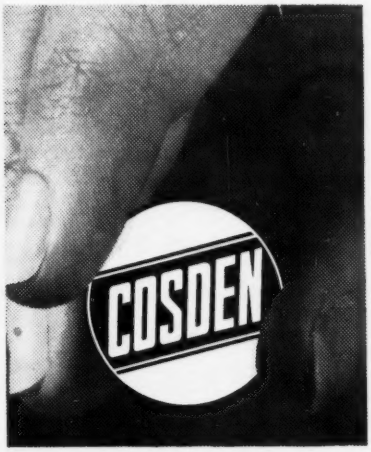
►AMERICAN POTASH & CHEM CORP (P)
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)

Research Chems (P)

(P) Company classifies itself as producer

►See catalog advertisement (Advertisers Index)

See company directory for addresses



high purity

0-XYLENE

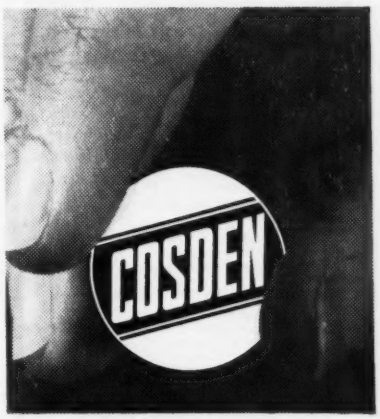
Available 99% minimum
95% minimum

COSDEN PETROLEUM CORPORATION
Big Spring, Texas

0-XYLENE
M-XYLENE
P-XYLENE

3°, 5° XYLENE
Para-rich Xylene

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4 West 58 St., New York 19, N. Y.
CABLE ADDRESS "FALCOSOL"



high purity

METAXYLENE

95% Meta
73% Meta

Cosden offers the widest range of xylenes in the industry. Write us your requirements.

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Big Spring, Texas

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►LINDSAY CHEM DIV (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

YTTRIUM, METAL

►AMERICAN POTASH & CHEM CORP (P)
►DAVISON CHEM DIV
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)
Xanthippe Chems (P)

YTTRIUM OXIDE

Alvares-Terner Corp
►AMERICAN POTASH & CHEM CORP
City Chem Corp (P)
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Michigan Chem Corp (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)

Bram Metallurgical-Chem Co (P)
Research Chems (P)

YTTRIUM SALTS

►AMERICAN POTASH & CHEM CORP
City Chem Corp
►DAVISON CHEM DIV (P)
Fairmount Chem Co (P)
►LINDSAY CHEM DIV (P)
Millmaster Chem Corp
Var-Lac-Old Chem Co (P)

Research Chems (P)
Xanthippe Chems (P)

Z

ZEIN

►CALIFORNIA CORP FOR BIOCHEM RESEARCH
Corn Products Co (P)

ZEOLITES

Chem-Pure Service Co (P)
Culligan, Inc (P)
Elgin Softener Corp (P)
Permutit Co (P)

ZINC ACETATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
Union Carbide Chems Co (P)
McGean Chem Co (P)

ZINC AMMONIUM CHLORIDE

S L Abbot Co
►ACETO CHEM CO
►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
Chemical & Pigment Co (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Globe Chem Co
Indussa Corp
Industrial Chem & Dye Co
►McKESSON & ROBBINS, CHEM DEPT
Samincorp
Jordan Co (P)
Naphthalene Products Co (P)

ZINC AMMONIUM SULFATE

City Chem Corp (P)

ZINC ARSENATE

City Chem Corp (P)

ZINC BARYTA WHITE see Lithopone

ZINC BICHROMATE see Zinc Dichromate

ZINC BROMIDE

►ACETO CHEM CO
Dow Chem Co (P)
Michigan Chem Corp (P)

ZINC CARBONATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
American Firstoline Corp
►J T BAKER CHEM CO (P)
Bonewitz Chems
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Rohm & Haas Co (P)
W R E Andrews Sales (P)

ZINC CARBONATE, BASIC

Mallinckrodt Chem Works (P)

ZINC CHLORIDE (Butter of Zinc)

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Chemical Affiliates (P)
Chemical & Pigment Co (P)
Chemtron Corp (P)
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)

(P) Company classifies itself as producer

►See catalog advertisement (Advertisers Index)

See company directory for addresses

Basic Manufacturers

PURE PRIMARY DRIED YEAST U.S.P.
(Saccharomyces cerevisiae)

FLEISCHMANN'S PURE DRY YEASTS
Powder—Flake—Instant
Several types of primary-grown dried yeasts of U.S.P. grade varying in the natural vitamin B complex factors.
Also Debittered Brewers' Dried Yeast U.S.P.

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Many types available diastatic or non-diastatic liquid or dry.

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Special Products Division
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ZINC ACETATE

Reagent,
Purified & Technical

AVAILABLE IN TONNAGE QUANTITIES

Other Heico Acetates:

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- **Barium Acetate,** Reagent
- **Cadmium Acetate,** Reagent
- **Cobalt Acetate,** Reagent & Technical
- **Cupric Acetate,** Reagent
- **Lead Acetate,** Reagent, N.F. & Technical
- **Mercuric Acetate,** Reagent
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Acetic Anhydride
Arsenic Acid 75%
Boric Acid Tech.
p-Toluene Sulfonic Acid
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Vinyl & Cellulosics
Vinyl Stabilizers

CHEMICAL AFFILIATES, Inc.
Sales Division
274 Madison Ave., New York 16
Phone: MU 3-2593

Fisher Scientific Co
Globe Chem Co (P)
►HARSHAW CHEM CO
Philip A Hunt Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Pearsall Chem Corp (P)
Republic Chem Corp
Riches-Nelson, Inc

Jordan Co (P)

ZINC CHLORIDE, CHROMATED

►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)

ZINC CHROMATE (Zinc Yellow, Zinc Chrome, Citron Yellow, Buttercup Yellow)—see also Zinc Potassium Chromate

►DU PONT, PIGMENTS DEPT (P)
File Color & Chem Corp
Fisher Scientific Co (P)
Kentucky Color & Chem Co (P)
Mineral Pigments Corp (P)
Reveill Chems, Inc
Samincorp
Sherwin-Williams Co (P)

Imperial Color Chem & Paper Dept (P)
Reichhold Chems, Inc (P)

ZINC CHROME see Zinc Chromate

ZINC CYANIDE

American Firstoline Corp
Chemical Mfg Co
►DU PONT, ELECTROCHEMS DEPT (P)
Globe Chem Co
►HARSHAW CHEM CO
J F Henry Chem Co
Industrial Chems & Dye Co
►JONES CHEMS, INC
►McKESSON & ROBBINS, CHEM DEPT

Chem-Salts, Inc (P)
McGean Chem Co (P)

ZINC DIBENZYL DITHIOCARBAMATE

Naugatuck Chem Div (P)

ZINC DIBUTYL DITHIOCARBAMATE

►BAIRD CHEM INDUSTRIES, INC
Faesy & Besthoff
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)
Wood Ridge Chem Corp (P)

Alco Oil & Chem Corp (P)
Ortho Div (P)
Naugatuck Chem Div (P)

ZINC DICHROMATE

City Chem Corp (P)

ZINC DIETHYL DITHIOCARBAMATE

►ACETO CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
Pennsalt Chems Corp (P)
Wood Ridge Chem Corp (P)

Alco Oil & Chem Corp (P)
Ortho Div (P)
Naugatuck Chem Div (P)

ZINC DIMETHYL DITHIOCARBAMATE

►ACETO CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
Faesy & Besthoff
International Selling Corp
Pennsalt Chems Corp (P)
Roberts Chems, Inc (P)
Samincorp
Wood Ridge Chem Corp (P)

Alco Oil & Chem Corp (P)
Ortho Div (P)
Naugatuck Chem Div (P)

ZINC DUST

American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Belmont Smelting & Refining Works (P)
Chemical & Pigment Co (P)
Indussa Corp
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

American Smelting & Refining Co (P)
Eagle-Picher Co (P)
New Jersey Zinc Co (P)
Bunker Hill Co (P)
Pacific Smelting Co (P)
Gold Leaf & Metallic Powders (P)
Superior Zinc Corp (P)

ZINC ETHYLENE BIS DITHIOCARBAMATES

►ACETO CHEM CO
►DU PONT, INDUSTRIAL & BIOCHEMS DEPT (P)
International Selling Corp
►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Samincorp

Chemical Insecticide Corp (P)
Woodbury Chem Co (P)

ZINC 2-ETHYLHEXOATE (Zinc Octoate)

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
Metalead Products Corp (P)
Chase Chem Corp (P)
Shepherd Chem Co (P)
Ferro Chem Div (P)
Troy Chem Co (P)
McGean Chem Co (P)

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►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BERKSHIRE CHEMS INC
►HARSHAW CHEM CO (P)

ZINC FLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
City Chem Corp (P)
►HARSHAW CHEM CO (P)
Var-Lac-Old Chem Co (P)

ZINC HYDROSULFITE

Rohm & Haas Co (P)

Virginia Smelting Co (P)

ZINC LAURATE

Argus Chem Corp (P)
►HARSHAW CHEM CO (P)

Mathe Chem Co (P)
Premium Chems (P)
Naugatuck Chem Div (P)

ZINC LINOLEATE

Premium Chems (P)
Shepherd Chem Co (P)

ZINC, METAL

►J T BAKER CHEM CO (P)
Belmont Smelting & Refining Works (P)
Fisher Scientific Co (P)
Indussa Corp
International Selling Corp
Mallinckrodt Chem Works (P)
National Lead Co (P)
St Joseph Lead Co (P)
Var-Lac-Old Chem Co (P)

American Smelting & Refining Co (P)
New Jersey Zinc Co (P)
Bunker Hill Co (P)
Pacific Smelting Co (P)
Eagle-Picher Co (P)
Superior Zinc Corp (P)

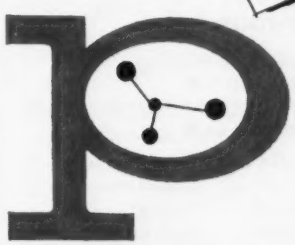
(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

Zinc Chloride
SOLUTIONS

- Battery Grade
- Rubber Grade
- Fibre Grade
- Agricultural Grade

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PEARSALL CHEMICAL CORPORATION
Phillipsburg, New Jersey
Telephone: GLencourt 4-8524

MERRILLITE

- essentially pure zinc dust
- controlled particle size

Merrillite is the accepted standard of quality for zinc dust used as a precipitant in the Merrill-Crowe cyanide extraction process.

Merrillite, a manufactured product, is also well-suited to a great variety of chemical reactions.

Specifications:
Minimum purity — 98% Zn.
Approximate screen analysis:
Fineness index — 98% minus 325 mesh.
Particle size distribution (roller analysis)
78% — 0-5 micron, 19% 5-10 micron.

For information regarding **Merrillite,** as well as a complete line of other zinc products available, contact:

CHEMICAL & PIGMENT CO.
766 50th Avenue, Oakland 1, California

ZINC MOLYBDATE

City Chem Corp (P)
Climax Molybdenum Co (P)
Mineral Pigments Corp (P)
Var-Lac-Old Chem Co (P)

North Metal & Chem Co (P) S W Shattuck Chem Co (P)
Premium Chems (P)

ZINC, MOSSY

►ACETO CHEM CO
►J T BAKER CHEM CO (P)
Belmont Smelting & Refining Works (P)
Mallinckrodt Chem Works (P)

American Smelting & Refining Co (P) Pacific Smelting Co (P)

ZINC NAPHTHENATE

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
Oronite Div (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P) McGean Chem Co (P)
California Ink Co (P) Metalead Products Corp (P)
Chase Chem Corp (P) Premium Chems (P)
Ferro Chem Div (P) Shepherd Chem Co (P)
Leffingwell Chem Co (P) Troy Chem Co (P)

ZINC NITRATE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
Fisher Scientific Co (P)
►HARSHAW CHEM CO (P)
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT

Chem-Salts, Inc (P) McGean Chem Co (P)

ZINC OLEATE

Premium Chems (P) Troy Chem Co (P)
Shepherd Chem Co (P)

ZINC OXIDE (Nil Alba, Flowers of Zinc, Zinc White, Chinese White)

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
Alvares-Terner Corp
American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
Bonewitz Chems
Chemical & Pigment Co (P)
Charles B Chrystal Co
Conray Products Co
Flo Color & Chem Corp
Fisher Scientific Co
M W Hardy & Co
Industrial Chem & Dye Co
Interstate Chem Corp
Kalon Trading Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
►MONSANTO CHEM CO (P)
Revelli Chems, Inc
Rohm & Haas Co (P)
H P Rossiger & Co
St Joseph Lead Co (P)
Sherwin-Williams Co (P)
Tennessee Corp (P)
George Uhe Co
Whittaker, Clark & Daniels

Eagle-Picher Co (P) Pacific Smelting Co (P)
New Jersey Zinc Co (P) Royce Chem Co (P)
Ortho Div (P) Superior Zinc Corp (P)

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►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Kraft Chem Co
►NOPCO CHEM CO (P)
M W Parsons-Plymouth (P)
►WITCO CHEM CO (P)

American Cyanamid Co, Plastics & Resins Div (P) Mathe Chem Co (P)
Premium Chems (P)
Leffingwell Chem Co (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

TC
TENNESSEE CORPORATION

ZINC OXIDE
(Secondary)

ANALYSIS

ZnO 99.10%
Fe 0.03%
Pb 0.02%
H_2S metals 0.013%
As ..... Nil

50 pound multiwall bags

For further information
Phone JAckson 3-5024.

TENNESSEE CORPORATION
612-629 Grant Building, Atlanta 3, Georgia

ST. JOE

ZINC OXIDE

IN GRADES FOR SPECIFIC PURPOSES

- Regular, Coated, Pelletized, Granular
- Electronically-controlled Quality
- A wide variety of grades to meet the requirements of the Rubber, Rayon, Ceramic, Paint and other industries.

Distributors Coast to Coast — See the A-Z section of THOMAS REGISTER for name and address of your nearest St. Joe Distributor.

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LEAD-FREE ST. JOE ZINC OXIDE

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A Leading Producer of Quality Zinc Oxides For Over 30 Years

J.T.Baker CHEMICAL

CALCIUM NITRATE, TECHNICAL

ZINC NITRATE, TECHNICAL

Both in small, flat flakes for quick solubility.
See page 66 for our complete listing.

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Phillipsburg, N. J.
NEW YORK • CHICAGO
PHILADELPHIA • LOS ANGELES

ZINC PERMANGANATE

Carus Chem Co (P)

ZINC PEROXIDE

►BECCO CHEM DIV (P)
►DU PONT, ELECTROCHEMS DEPT (P)
Mallinckrodt Chem Works (P)

ZINC PHENOL SULFONATE

Mallinckrodt Chem Works (P)
►S B PENICK & CO, NYQ CHEM DIV (P)
Waverly Chem Co (P)

ZINC PHOSPHATES

City Chem Corp
Joseph Turner & Co (P)
►VICTOR CHEM WORKS (P)

ZINC PHOSPHIDE

City Chem Corp
Gallard-Schlesinger Chem Mfg Corp
►HOOKER CHEM CORP, PHOSPHORUS DIV (P)

ZINC POTASSIUM CHROMATE

►AMERICAN CYANAMID CO, PIGMENTS DIV (P)
Mineral Pigments Corp (P)
Revelll Chems, Inc
Imperial Color Chem & Paper Dept (P)
Reichhold Chems, Inc (P)
Western Dry Color Co (P)

ZINC POWDER see Zinc Dust

ZINC RESINATE

S L Abbet Co
►HARSHAW CHEM CO (P)
J Meyer & Sons (P)
Premium Chems (P)
Shepherd Chem Co (P)

ZINC SELENIDE

City Chem Corp (P)
Merck Chem Div (P)
Merck Electronic Chem Div (P)
Penn Rare Metals (P)
Var-Lac-Old Chem Co (P)
Shepherd Chem Co (P)

ZINC SILICOFLUORIDE

►AMERICAN AGRICULTURAL CHEM CO (P)
►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
City Chem Corp (P)
►DAVISON CHEM DIV (P)
►HARSHAW CHEM CO (P)
►McKESSON & ROBBINS, CHEM DEPT
Riches-Nelson, Inc
Henry Sundheimer Co

ZINC STANNATE

►METAL & THERMIT CORP (P)
Var-Lac-Old Chem Co (P)

ZINC STEARATE (Soap Dust)

►AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV (P)
Carlisle Chem Works (P)
►HARSHAW CHEM CO (P)
Harwick Standard Chem Co
Howe & French
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Millmaster Chem Corp
►NOPCO CHEM CO (P)
Nuodex Products Co (P)
M W Parsons-Plymouth (P)
Prior Chem Corp
Joseph Turner & Co (P)
Charles A Wagner Co
Whittaker, Clark & Daniels
►WITCO CHEM CO (P)
American Cyanamid Co, Plastics & Resins Div (P)
Beacon Chem Industries (P)
Leffingwell Chem Co (P)
Mathe Chem Co (P)
Capital City Products Co (P)
Premium Chems (P)
Shepherd Chem Co (P)
Swift & Co, General Soap Dept (P)

ZINC SUBCARBONATE see Zinc Carbonate, Basic

ZINC SUBGALLATE

City Chem Corp (P)

(P) Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

ZINC OXIDE
French Process
• Zinc Oxide Technical
• Zinc Oxide USP
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Produced by
Zinc Oxide Co. of Canada, Limited
Sole National Distributor
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• U.S.P. and special grades for pharmaceutical and cosmetic preparations.
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CYANAMID
A variety of aluminum stearates, varying in gelling power, as well as various grades of calcium, magnesium and zinc stearates differing in particle size and lubricity. For manufacture of lubricating greases, plastics, rubber, surface coatings, cements, inks, pencils, crayons.
AMERICAN CYANAMID COMPANY
Process Chemicals Department
30 Rockefeller Plaza, New York 20, N.Y.

TC
TENNESSEE CORPORATION

ZINC SULFATE MONOHYDRATE

ANALYSIS

Zn..... 36.00%
Fe..... 0.26%
Heavy Metals ... 0.01%
Free Moisture.... 1.00%

50 pound multiwall bags

For further information
Phone JAckson 3-5024.

TENNESSEE CORPORATION
612-629 Grant Building, Atlanta 3, Georgia

For Agriculture and Industry:

ZINC CHEMICALS

- Meteor Zinc Sulfate
  spray dried
  36% (monohydrate)
  22.8% (heptahydrate)
  52% (basic)
- Meteor Zinc Oxide
  95%
- Zinc Ammonium Chloride
- Zinc Chloride
  liquid

For full information on a broad line of zinc chemicals, as well as the name of the distributor in your area, write to:

CHEMICAL & PIGMENT COMPANY
766 - 50th Ave. • Oakland 1, Calif.

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American Firstoline Corp
►BAIRD CHEM INDUSTRIES, INC
►J T BAKER CHEM CO (P)
►BERKSHIRE CHEMS INC
Benewitz Chems
Chemical & Pigment Co (P)
Faesy & Besthoff
Fisher Scientific Co (P)
►HARSHAW CHEM CO
Howe & French
Indussa Corp
Kraft Chem Co
Mallinckrodt Chem Works (P)
►McKESSON & ROBBINS, CHEM DEPT
Prior Chem Corp
Republic Chem Corp
Riches-Nelson, Inc
Samincorp
Sherwin-Williams Co (P)

American Smelting & Refining Co (P)
Eagle-Picher Co (P)
Ortho Div (P)
Virginia Smelting Co (P)

ZINC SULFATE, MONOHYDRATE

H J Baker & Bro
Chemical & Pigment Co (P)
J F Henry Chem Co
Interstate Chem Corp
Sherwin-Williams Co (P)
Tennessee Corp (P)
Joseph Turner & Co

Virginia Smelting Co (P)

ZINC SULFIDE

►ACETO CHEM CO
►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►HARSHAW CHEM CO (P)
Var-Lac-Oid Chem Co (P)

Eagle-Picher Co (P)

ZINC SULFIDE, LUMINOUS

►ACETO CHEM CO
Fairmount Chem Co (P)
Var-Lac-Oid Chem Co (P)
Whittaker, Clark & Daniels

Canadian Radium & Uranium Corp (P)

ZINC SULFIDE WHITE see Lithopone

ZINC SULFOCARBOLATE see Zinc Phenol Sulfonate

ZINC SULFOPHENATE see Zinc Phenol Sulfonate

ZINC SULFOXYLATE FORMALDEHYDE

►ROHM & HAAS CO, AGRICULTURAL & SANITARY SALES DEPT (P)
Welch, Holme & Clark Co

Royce Chem Co (P)

ZINC SUPERPEROXIDE see Zinc Peroxide

ZINC TALLATE

►HARSHAW CHEM CO (P)
Nuodex Products Co (P)
►WITCO CHEM CO (P)

Advance Solvents & Chem Div (P)
California Ink Co (P)
Chase Chem Corp (P)
Ferro Chem Div (P)
Shepherd Chem Co (P)

ZINC TARTRATE

City Chem Corp (P)

Premium Chems (P)

ZINC TELLURIDE

Merck Chem Div (P)
Merck Electronic Chem Div (P)
Penn Rare Metals (P)
Var-Lac-Oid Chem Co (P)

ZINC TITANATE

►TITANIUM ALLOYS MFG DIV (P)

ZINC TUNGSTATE

City Chem Corp (P)
Shwayder Chem Metallurgy Corp (P)
Var-Lac-Oid Chem Co (P)

North Metal & Chem Co (P)
Premium Chems (P)

ZINC UNDECYLENATE

Baker Castor Oil Co (P)
Millmaster Chem Corp (P)

Andor Labs (P)
B L Lemke & Co (P)
Mathe Chem Co (P)
Premium Chems (P)
Tennant Chem Div (P)

ZINC WHITE see Zinc Oxide

ZINC YELLOW see Zinc Potassium Chromate

ZINC ZIRCONIUM SILICATE

►TITANIUM ALLOYS MFG DIV (P)

ZIRAM see Zinc Dimethyl Dithiocarbamate

ZIRCON

Alvares-Terner Corp
►BERKSHIRE CHEMS INC
►DU PONT, PIGMENTS DEPT (P)
Indussa Corp
►METAL & THERMIT CORP (P)
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)

Chem-Met Corp (P)
Foote Mineral Co (P)

ZIRCONIA see Zirconium Oxide

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

ZIRCONIUM ACETATE, BASE

►BERKSHIRE CHEMS INC
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Wood Ridge Chem Corp (P)

ZIRCONIUM AMMONIUM FLUORIDE

Kawecki Chem Co (P)

ZIRCONIUM ANHYDRIDE see Zirconium Oxide

ZIRCONIUM BORIDE

Kawecki Chem Co (P)
U S Borax (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)

ZIRCONIUM CARBONATE, BASIC

►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Wood Ridge Chem Corp

ZIRCONIUM DIBORIDE

Kawecki Chem Co (P)
U S Borax (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)

ZIRCONIUM HYDRIDE

►METAL HYDRIDES (P)
Pfaltz & Bauer, Inc
►TITANIUM ALLOYS MFG DIV (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)

ZIRCONIUM, METAL

Belmont Smelting & Refining Works (P)
Fairmount Chem Co (P)
International Selling Corp
►METAL HYDRIDES (P)
National Lead Co (P)
►STAUFFER CHEM CO (P)
►TITANIUM ALLOYS MFG DIV (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Columbia-National Corp (P)
Foote Mineral Co (P)
Hummel Chem Co (P)
Metals & Controls Inc (P)
Nuclear Materials & Equipment Corp (P)
Reading Chems (P)

ZIRCONIUM NITRATE (Zirconyl Nitrate)

►BERKSHIRE CHEMS INC
Fairmount Chem Co (P)
Pfaltz & Bauer, Inc
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
Wood Ridge Chem Corp (P)
Bram Metallurgical-Chem Co (P)
Chemical Commerce (P)

ZIRCONIUM NITRIDE

Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Hummel Chem Co (P)

ZIRCONIUM OXIDE (Zirconium Anhydride, Zirconia, Zircon Alba, Baddeleite, Zirkite)

Alvares-Terner Corp
►BERKSHIRE CHEMS INC
Charles B Chrystal Co
Fairmount Chem Co (P)
►HARSHAW CHEM CO (P)
Millmaster Chem Corp
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
Zirconium Corp of America (P)
Bio-Rad Labs (P)

ZIRCONIUM OXYCHLORIDE

►BERKSHIRE CHEMS INC
Fairmount Chem Co (P)
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Wood Ridge Chem Corp (P)
Bram Metallurgical-Chem Co (P)

ZIRCONIUM SILICATE

►BAIRD CHEM INDUSTRIES, INC
►BERKSHIRE CHEMS INC
►METAL & THERMIT CORP (P)
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Foote Mineral Co (P)

ZIRCONIUM SULFATE

►BERKSHIRE CHEMS INC
►TITANIUM ALLOYS MFG DIV (P)
Titanium Zirconium Co (P)
Var-Lac-Old Chem Co (P)
►VITRO CHEM CO (P)
Wood Ridge Chem Corp (P)
McGean Chem Co (P)

ZIRCONIUM SULFATE, BASIC (Zirconyl Sulfate)

►BERKSHIRE CHEMS INC
►TITANIUM ALLOYS MFG DIV (P)
Wood Ridge Chem Corp (P)

ZIRCONIUM TETRACHLORIDE

►BERKSHIRE CHEMS INC
Fairmount Chem Co (P)
►STAUFFER CHEM CO (P)
►TITANIUM ALLOYS MFG DIV (P)
Var-Lac-Old Chem Co (P)
Anderson Chem Div (P)
Columbia-National Corp (P)
Bram Metallurgical-Chem Co (P)

ZIRCONIUM TETRAFLUORIDE

►ALLIED CHEM CORP, GENERAL CHEM DIV (P)
►TITANIUM ALLOYS MFG DIV (P)
Var-Lac-Old Chem Co (P)
Bram Metallurgical-Chem Co (P)
Ozark-Mahoning Co (P)

ZIRKITE see Zirconium Oxide

TIZON

ZIRCONIUM SALTS

AMMONIUM ZIRCONYL CARBONATE
ZIRCONIUM SULFATE CRYSTALS
ZIRCONIUM ACETATE SOLUTION
ZIRCONIUM CARBONATE PASTE
SODIUM ZIRCONIUM LACTATE
C P ZIRCONIUM OXIDE

TITANIUM ZIRCONIUM CO., INC.
13 Locktown Road Flemington, N. J.
Telephone STate 2-4616

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

CHEMICAL TRADENAMES

Tradenames consisting of numbers alone will be found at the beginning of the alphabetical section under which the tradename might ordinarily be found if it were spelled out.
Example: "7" — Located at the beginning of section under "S".

A

►**A-1, A-32, A-100:** Rubber accelerators—**MONSANTO CHEM CO**
►**AA:** Chemical fertilizer—**AMERICAN AGRICULTURAL CHEM CO**
AA: Oil, castor—**Baker Castor Oil Co**
ABC: Coke—Alabama By-Products Corp
►**A-C:** Polyethylene—**ALLIED CHEM CORP, PLASTICS DIV**
►**ACL 59, 60, 70, 85:** Dry bleach assistant—**MONSANTO CHEM CO**
ACM: Antioxidant for freezing fruit—**Chas Pfizer & Co**
AD: Detergents—Colgate-Palmolive Co
AD-X2: Battery additive—Pioneers, Inc
AE 16: Etching compounds—**Pennsalt Chems Corp**
►**AEH:** Anhydroenneaheptitol—**CELANESE CHEM CO**
AFA: Antifoaming agent—Mearl Chem Corp
AG: Ion exchange resins; Activated alumina—Bio-Rad Labs
►**AM-9:** Chemical grout—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
AMS35: Inhibited acid—**J F Henry Chem Co**
AP: Alkyd varnish—Lawter Chems
AR: Analytical chems—**Mallinckrodt Chem Works**
ASC-4: Bactericide, fungicide—Norton Chem Works
►**ASP:** Aluminum silicate pigments—**MINERALS & CHEMS PHILIPP CORP**
AV FORMULA: Antibiotic & vitamin veterinary preparation—**Merck Chem Div**
ABALYN: Ester of rosin—**Hercules Powder Co**
ABITOL: Hydroabietyl alcohol—**Hercules Powder Co**
ABSORBED: Low-carbon oils—E F Houghton & Co
ACCEL: Lactic acid starter—**Merck Chem Div**
ACCELERATOR: Glue—Swift & Co, Adhesive Products Dept
►**ACCELERATOR B:** Rubber accelerator—**MONSANTO CHEM CO**
►**ACCENT:** Monosodium glutamate—**INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV**
►**ACCO:** Gum & wood rosin sizes—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**ACCOBOND:** Melamine-formaldehyde and urea-formaldehyde—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**ACCOBRITE:** Rosin size—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**ACCOCEL:** Dispersant—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**ACCOMITE:** Blasting agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
ACCOSPERSE: Stabilized aqueous dispersions—American Cyanamid Co, Pigments Div
►**ACCOSTRENGTH 2386:** Paper resin—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**ACCURAC 24:** Retention aid—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
ACETOSOL: Dyes—**Sandoz, Inc**
ACIDOLENE: Fat liquors—**Diamond Alkali Co**
ACINTENE: Terpene derivatives—**Arizona Chem Co**
ACRAWAX C: Waxes, synthetic—**Glyco Chems**
ACRI-FLO 151: Styrene-acrylic latex—General Tire & Rubber Co
ACRYLOID: Resin solutions—**Rohm & Haas Co**
ACRYLON: Synthetic rubber—Borden Chem Co
ACRYSOL: Aqueous solutions, synthetic resins—**Rohm & Haas Co**
►**ACTAMER:** 2,2'-Thiobis-4,6-dichlorophenol — **MONSANTO CHEM CO**
ACTANE: Metal acid pickling—Enthene, Inc
ACTEX: Cleaners, alkaline—DuBois Co
ACTIDIP: Coatings, corrosion control—**Pennsalt Chems Corp**
ACTIV-8: Paint & varnish driers—R T Vanderbilt Co
ACTIVATE: Chelating agent—DuBois Co
ACTO: Sodium sulfonate—**Esso Standard Oil**
ACTOL: Oil, lubricating—**Esso Standard Oil**
ACTOX: Zinc oxide—**New Jersey Zinc Co**
ACTRAGARD: Leather impregnant—Arthur C Trask Co
ACTUSOL: Emulsifier—DuBois Co
ADAKANE: Aliphatic hydrocarbons—Archer-Daniels-Midland Co
AD-CEL-H20: Cellulosic adhesive—Jewel Labs
AD-DRI: Commercial laundry bleach—**Olin Mathieson Chem Corp**
ADECENE: Aliphatic olefins—Archer-Daniels-Midland Co
ADHER-O-FLEX: Esterified shellac—**Acme Shellac Products Co**
ADIPOL: Resin & rubber plasticizers—FMC Corp, Chems & Plastics Div
►**ADIPRENE:** Urethane rubbers—**DU PONT, ELASTOMERS DEPT**
ADMEROL: Copolymer fish oils—Archer-Daniels-Midland Co
ADMEX: Plasticizers—Archer-Daniels-Midland Co
ADOGEN: Fatty products—Archer-Daniels-Midland Co
ADOL: Alcohols—Archer-Daniels-Midland Co
►**ADOMITE:** Oil well fluid-loss control additive—**CONTINENTAL OIL CO**
ADSORBIT: Activated carbon—**Barnebey-Cheney Co**
ADVACAR: Paint & varnish driers—Advance Solvents & Chem Div
ADVACIDE: Textile & paint fungicides—Advance Solvents & Chem Div
ADVANCE: Cleaners, dishwasher—DuBois Co
ADVASOL: Paint & varnish driers—Advance Solvents & Chem Div
ADVASTAB: Stabilizers, vinyl—Advance Solvents & Chem Div
ADVAWAX: Synthetic wax—Advance Solvents & Chem Div
ADVAWET: Wetting agents — Advance Solvents & Chem Div
►**AELAR:** Fluorocarbon plastic films—**ALLIED CHEM CORP, GENERAL CHEM DIV**
AERFLOTED: Kaolin—**J M Huber Corp**
►**AERO:** Industrial chemicals, metallic stearates, catalysts—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AERO:** Xanthates—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**AEROBRITE:** Metal processing aid—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROCARB:** Carburizing compound—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROCASE:** Case hardening compounds—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROCAT:** Cracking catalysts—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROFLOAT:** Promoters—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**AEROFLOC:** Flocculating agents—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROFORM:** ACPT catalyst—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROFORM PHF-1:** Reforming catalyst, platinum—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROFROTH:** Frothers—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**AEROHEAT:** Salts, heat treating—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
AEROKROIL: Kroll, pressurized—Kano Labs
►**AEROMET:** Metallurgical additives—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROMINE:** Promoter—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**AERONOX:** Antioxidants—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
AEROPROX: Prox, pressurized—Kano Labs
AERO-SEALZ: Joint sealing material—Naugatuck Chem Div
►**AEROSIZE:** Sizing preparations—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROSOL:** Surface active agents—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**AEROSPRAY 52:** Binder—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
AFCO: Liquid filter plates—American Felt Co
AFTA: Cleaning fluid for fabrics—Afta Solvents Corp
AFTA-GLO: Rug upholstery cleaner—Afta Solvents Corp
AFTALENE: Solvents, dry cleaning—Afta Solvents Corp
AFTAPAC: Creme spot remover—Afta Solvents Corp
AFTITE: Solvents, dry cleaning—Afta Solvents Corp
AGE-IT: Meat tenderizer—**Hercules Powder Co**
AGERITE: Series of antioxidants—R T Vanderbilt Co
►**AGRICO:** Chemical fertilizer—**AMERICAN AGRICULTURAL CHEM CO**
AGRILON: Synthetic polyelectrolytes, solid & liquid form—Borden Chem Co
►**AGRIMUL:** Emulsifiers, insecticide—**NOPCO CHEM CO**
►**AGRI-PHOS:** Superphosphate—**AMERICAN AGRICULTURAL CHEM CO**
AGRI-STEEP: Agricultural streptomycin—**Merck Chem Div**
AGRON: Agricultural chelates—**Pfanstiehl Labs**
AGRO-ZYME: Animal feed enzyme—**Merck Chem Div**
AHCO: Products—Arnold, Hoffman & Co
AICCO-SOL: Synthetic magnesium silicate—AIC Chem Co
►**AIRCO:** Vinyl monomers—**AIR REDUCTION CHEM & CARBIDE CO**
►**AIRCOFLEX:** Plasticizers—**AIR REDUCTION CHEM & CARBIDE CO**
►**AIRGLOW:** Bright nickel electroplating process—**HARSHAW CHEM CO**
AIRMIX: Weed killer—Miller Products Co
AIROSIL: Silica gel—Electro Chem Co
AIR-SWEET: Deodorants—Uncle Sam Chem Co
►**AJAX:** Dynamite—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**AJAX:** Calcium phosphate—**VICTOR CHEM WARKS**
►**AJAX:** Ceramic clay—**GEROGIA KAOLIN CO**
AJAX: Cleaners—Colgate-Palmolive Co
AKTIVI: Bleaching agent, textile; Disinfectant—Heyden Newport Chem Corp
AKTONE: Accelerators, rubber—**J M Huber Corp**
ALAMAC: Acetates, primary fatty amines—**General Mills, Chem Div**
ALAMASK: Odor control chemicals—Rhodia, Inc
ALAMET: Products—Alabama Metallurgical Corp
ALAMIDE: Fatty amides—**General Mills, Chem Div**
ALAMINE: Fatty amines, primary, secondary—**General Mills, Chem Div**
ALANAP: Herbicides—Naugatuck Chem Div
►**ALATHON:** Polyethylene resin—**DU PONT, POLYCHEMS DEPT**
ALBAFIX: Tanning agents—**Diamond Alkali Co**
ALBAOIL: Fat liquors—**Diamond Alkali Co**
►**ALBASOL:** Emulsifiers—**NOPCO CHEM CO**
ALBATAN: Tanning agents—**Diamond Alkali Co**
►**ALBONE:** Hydrogen peroxide—**DU PONT, ELECTROCHEMS DEPT**
ALBUZYME: Edible foaming agent—Fermco Labs
ALBUSOL: Albumin, egg—**Mallinckrodt Chem Works**
ALCABAR: Calcium carbonate—**C K Williams & Co**
ALCOGUM: Synthetic gum thickener, adjuvant—Alco Oil & Chem Corp
ALCOLAN: Lanolin alcohol absorption bases—Robinson Wagner Co
ALDAROME: Deodorants; Embalming fluids—Fritzsche Bros
►**ALDEX:** Flavors, food, imitation—**S B PENICK & CO**
ALDO: Emulsifiers, edible—**Glyco Chems**
ALDOR: Deodorant perfume compounds—Alpine Aromatics
ALDRODYNE: Emulsifiers—Geigy Industrial Chems
ALDRON: Insecticides, farm, garden—Miller Products Co
ALERT: Grease, twister ring—**Esso Standard Oil**
ALERT: Gas odorants—**Oronite Chem Co**
►**ALFENE:** Straight chain primary olefin—**CONTINENTAL OIL CO**
►**ALFOL:** Fatty alcohol—**CONTINENTAL OIL CO**
ALGEL: Aluminum octoate dispersing agent—Raybo Chem Co
ALGIMASTER: Swimming pool algaecide—**Michigan Chem Corp**
ALGOL: Dyes, vat—**General Dyestuff Co**
ALGOSOL: Dyes, vat—**General Dyestuff Co**
ALIPAL: Surfact active agents, anionic—**Antara Chems Div**
ALIQUAT: Fatty ammonium chlorides—**General Mills, Chem Div**
ALITRILE: Fatty nitriles—**General Mills, Chem Div**
►**ALIZAROL:** Chrome mordant dye—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**

ALKA-DEOX: Rust and scale remover—Enthone, Inc
ALKALATE: Cleaners, alkali—**Diamond Alkali Co**
ALKALUME: Metal cleaner—Northwest Chem Co
ALKA-MAG: Agricultural pulverized limestone—Ohio Lime Co
ALKANE: Gas odorants—**Oronite Div**
►**ALKAPHOS:** Aluminum acid phosphate—**MONSANTO CHEM CO**
►**ALKARB:** Mixed carbonates of potassium, rubidium and cesium—**AMERICAN POTASH & CHEM CORP**
ALKATAN: Drilling mud chem—Magnet Cove Barium Corp
►**ALKATERGE:** Oil-soluble surface active agents—**CHEMICAL SOLVENTS CORP**
ALKAZENE: Gauge fluids—**Dow Chem Co**
ALK-O-FLEX: Plasticizers, resin—Alkydol Labs
ALKOLENE: Fat liquors—**Diamond Alkali Co**
ALK-O-MER: Resin & vinyl emulsions—Alkydol Labs
ALKON: Cleaner, electrolytic—DuBois Co
ALKONTROL: Additive for copper baths, cleansing baths, acid removal from plating racks—Northwest Chem Co
ALKOR: Acid-alkali-solvent proofing compounds—Altas Mineral Products Co
►**ALKRON:** Parathion dusts, solutions—**AMERICAN POTASH & CHEM CORP**
ALK-TRI: Solvent—**Dow Chem Co**
ALKYTALL: Tall oil esters—Alkydol Labs
►**ALLEXCEL:** Allethrin-synergist combinations—**S B PENICK & CO**
ALLITE: Fuel oil additive—Arol Chem Products
ALL PURPOSE W: Cleaners—**Diamond Alkali Co**
ALLWALL: Paints, fire retardent—California Products Corp
ALMASOL: Wear arresting lubricants—Lubrication Engrs
►**ALCONATE 80:** Petroleum sulfonate—**SONNEBORN CHEM & REFINING CORP**
ALODINE: Products—Amchem Products, Inc
ALPEX: Cyclized rubber—Alkydol Labs
ALPEROX C: Lauroyl peroxide, technical—**Lucidol Div, Wallace & Tiernan Inc**
►**ALPEX:** Aluminum acid phosphates—**MONSANTO CHEM CO**
ALPHANIER: Cellulose, woodpulp—Rayonier Inc
ALPHANOL: Leather dyes—**General Dyestuff Co**
ALPHASPRA: Hormones, plant—Miller Products Co
►**ALPHAZURINE:** Acid dyes, blue—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
ALPINE: Cleaners, floor—Fuld Bros
ALPINE VIOLET: Cyclamen aldehyde—Rhodia, Inc
ALROMNE: Surfactant, textile finishing—Geigy Industrial Chems
ALROPON: Surfactants; Detergents—Geigy Industrial Chems
ALROSOL: Wetting agent & detergent—**Geigy Dyestuffs Div**
ALROSPERSE: Surfactants—Geigy Industrial Chems
ALROWET: Wetting agents, surfactants—Geigy Industrial Chems
ALROWAX: Waxes, synthetic—Geigy Industrial Chems
ALSIFER: Products—Vanadium Corp of America
ALTAX: Rubber accelerator—R T Vanderbilt Co
ALUMEX: Antacids—Rehels Co
ALUMIL: Antacids—Rehels Co
ALUMINOX: Heat resistant paints & primers—Subox, Inc
ALUMON: Products—Enthone, Inc
ALUMOX: Aluminum oxidizer—Enthone, Inc
ALVCO: Printing ink compounds—American Lithographic Varnish Co
ALVRIT: Optical whitening—Belle Chem Co
►**ALWAX:** Wax sizes—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
AMAFLAT: Synthetic, flat alkyd coating resins—American Alkyd Industries of Cal
AMAFORM: Urea formaldehyde coating resins—American Alkyd Industries of Cal
AMALGINE: Ammonium alginate—Edward Mendell Co
AMALITE: Alkyd coating resins—American Alkyd Industries of Cal
AMAPOL: Styrenated coating resins—American Alkyd Industries of Cal
AMATEX: Industrial grade guar gum—**General Mills, Specialty Products Div**
AMAVAR: Varnish vehicles—American Alkyd Industries of Cal
AMAX: Rubber accelerator—R T Vanderbilt Co
AMAZON: Aerosols—**Trio Chem Works**
AMBERLAC: Resinous materials—**Rohm & Haas Co**
AMBERLITE: Resins adhesives, wood—**Rohm & Haas Co**
AMBEROL: Resins—**Rohm & Haas Co**
AMBERPLEX: Ion-exchange resin membranes—**Rohm & Haas Co**
AMBREX: Ink pigment—New York Color & Chem Co
AMEPCO: Plastic members mfrd articles; Hose for fluid or gas—Borden Chem Co
AMERIPOL: Styrene-butadiene products—Goodrich-Gulf Chems, Inc
AMERLITH: Printing ink compounds—American Lithographic Varnish Co
AMEROID: Brake fluid & rust inhibitor—E F Drew & Co
AMESTER: Unsaturated polyester resins—American Alkyd Industries of Cal
AMIDEX: Corn starch, modified—Corn Products Co
AMIDON: Textile sizing—Morningstar-Paisley, Inc
AMIDOX: Products—Stepan Chem Co, Industrials Chems Div
AMIJEL: Corn starch—Corn Products Co
AMINEX: Ion exchange resins—Bio-Rad Labs
AMITOX: Weed killers—Miller Products Co
AMIZYME: Modifying starch enzyme—Pabst Brewing Co
►**AMMATE:** Weed, brush killer—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
AMMO-NITE: Prilled ammonium nitrate fertilizers—Escambia Chem Corp
►**AMMONYX:** Conditioning agent—**ONYX CHEM CORP**
AMOBAM: Fungicide—**Roberts Chems, Inc**
AMOCORE: Explosives—Atlas Powder Co, Explosives Div
AMODYN: Explosives—Atlas Powder Co, Explosives Div
AMPLITONE: Fixatives, perfume—**Fritzsche Bros**
AMPROL: Coccidiostat for feed use—**Merck Chem Div**
AMPROZYME: Desizing agents; Enzymes—Jacques Wolf & Co
AMPVAR WASH PRIMER: Metal paint primer—Atlas Mineral Products Co
AMRES: Resins, synthetic—American-Marietta Co
AMTOL: Processed fish oil—Pacific Vegetable Oil Corp
AMYLIQ: Starch-converting enzymes—Wallerstein Co
ANA-GREEN: Nitrogen solution, direct application—Spencer Chem Co
►**ANATTENE:** Colors, vegetables—**S B PENICK & CO**
ANDEROL: Lubricants, plasticizers, preservatives—Lehigh Chem Co
ANDOK: Anti-frictionbearing grease—**Esso Standard Oil**
ANGEL BRAND: Palm kernel oil products—**Alvares-Terner Corp**
ANGELO: Orange flake shellac—**William Zinsser Co**
ANHYDROL: Alcohol, denatured—**Union Carbide Chems Co**
ANHYDROX: Barium carbonate—Baroid Div, National Lead Co
ANO: Dyes, anodized aluminum—**General Dyestuff Co**
►**ANOCPAS:** Rubber anode & hook protectors—**HARSHAW CHEM CO**
ANSAR: Products—**Ansul Chem Co**
►**ANSOL:** Solvents—**U S INDUSTRIAL CHEM CO**
ANTARATE: Emulsifier—**Antara Chems Div**
ANTARON: Amphoteric surface-active agents—**Antara Chems Div**
ANTAROX: Surface active agent, nonionic—**Antara Chems Div**
ANTHOSINE: Dyes, acid—**General Dyestuff Co**
ANTHRAGEN: Dyes, vat—**Collway Pigments**
ANTHRALAN: Dyes, acid—**General Dyestuff Co**
ANTIE-CARIE: Seed treating compounds—**H P Rossiger & Co**
ANTILUSTROLE: Delustrants—Warwick Chem Div
►**ANTIOXIDANT 425:** Antioxidant—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**ANTIOXIDANT 2246:** Antioxidant—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**ANTIOXIDANT B:** Anti-skinning agents—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**ANTIOXIDANT D:** Anti-skinning agent, antioxidant—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
APASOL: Textile dispersing agents—Jacques Wolf & Co
APCOL: Explosives—Atlas Powder Co, Explosives Div
APEX: Explosives—Atlas Powder Co, Explosives Div
APEXIOR: Coatings, protective—Dampney Co
APPRAMINE: Softeners—Warwick Chem Div
APPRETOLE: Textile softeners—Warwick Chem Div
APRIL: Alkyl aryl sulfonate; Wetting agents—Essential Chem Co
AP-RO-PO: Imitation flavors for hard candy—**Dodge & Olcott**
AQUABLAK: Dispersion—**Columbian Carbon Co**
AQUABRITE: Ink—Claremont Pigment Dispersion Corp
AQUACAL: Calcium stearate—Beacon Chem Industries
AQUACINE: Products—Beacon Chem Industries
AQUADAG: Colloidal graphite in water—Acheson Colloids Co
AQUA-FLAKE: Adhesives—National Starch & Chem Corp
AQUAGEL: Bentonite—Baroid Div, National Lead Co
AQUAID: Organic chelating, sequestering agent—Union Starch & Refining Co
AQUAKLEEN: Water scale solvent—Sumco Products
►**AQUALIN:** Herbicide—**SHELL CHEM CO**
AQUA NUCHAR: Activated carbon, water purification—W Va Pulp & Paper Co, Industrial Chem Sales Div
AQUAPEL: Alkylketene dimer—**Hercules Powder Co**
AQUAPRINT: Textile pigment printing & dyeing colors—Interchem Corp, Color & Chems Div
AQUAROMES: Perfume base—Felton Chem Co
►**AQUASEAL:** Joint compound—**JOHNS-MANVILLE**
►**AQUASOL:** Oils, sulfonated—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
AQUATKOL: Aquatic weed killer—**Pennsalt Chems Corp**
AQUATONE: Water & metal treatments—Ampion Corp
►**AQUESTROL:** Estrogenic materials, bulk—**S B PENICK & CO**
AQUET: Swimming pool neutralizer—**Pennsalt Chems Corp**
ARACAR: Oil, car journal—**Esso Standard Oil**
ARAODUST: Insecticides, farm, garden—Miller Products Co
ARALDITE: Epoxy resins—Ciba Products Corp
ARAMITE: Insecticides—Naugatuck Chem Div
ARAPEN: Grease, pressure gun—**Esso Standard Oil**
►**ARASAN:** Thiram seed protectant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
ARASPRA: Insecticides, farm, garden—Miller Products Co
►**ARATRON:** Aramite dusts, solutions—**AMERICAN POTASH & CHEM CORP**
ARCOMET; ARCOPON; ARCOVIN: Acid, alkali, corrosion, waterproof coatings—Arco Co
ARCTIC CRYSTAL: Soaps—Colgate-Palmolive Co
ARTIC SYNTEX: Detergents—Colgate-Palmolive Co
ARCTURUS RED: Colors, dry red—**Sherwin-Williams Co**
ARGO: Zein; Methyl Glucoside; Phytates—Corn Products Co
ARGOSE: Corn Syrup—Corn Products Co
ARIDYE: Textile pigment printing & dyeing colors—Interchem Corp, Color and Chems Div
ARITEP: Products—Aries Labs
ARIZOLE: Anethole, USP—**Arizona Chem Co**
ARLACEL: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
ARLEX: Sorbitol—**Atlas Chem Industries, Chems Div**
Armac: Amine acetates—**Armour Industrial Chem Co**
ARMALASE: Catalase—**Armour Labs**
Armeen: Amines—**Armour Industrial Chem Co**
Armide: Amides—**Armour Industrial Chem Co**
Armoflote: Cationic flotation reagents—**Armour Industrial Chem Co**
ARMOFOS: Sodium tripolyphosphate, anhydrous—A R Maas Chem Co Div
ARMOHIB: Organic corrosion inhibitors for acid solutions—**Amour Industrial Chem Co**
ARMOLAD: Polar organic nitrogen compounds—**Armour Industrial Chem Co**
ARMOMIST: Cationic surface-active foaming agents—**Armour Industrial Chem Co**
ARMONE: Aliphatic ketones—**Armour Industrial Chem Co**
ARMORCOTE. Tank coating—Crowley Tar Products Co
ARMORCOTE: Boiler compounds— **Arco Co**
ARMOWAX: Methylene Bis-Stearamide—**Amour Industrial Chem Co**
ARMOX: Industrial oils—**Armour Industrial Chem Co**
ARNEEL: Nitriles—**Armour Industrial Chem Co**
►**AROCLOR:** Chlorinated polyphynols—**MONSANTO CHEM CO**
AROCHEM: Hard resins—Archer-Daniels-Midland Co
AROFLAT: Alkyd vehicles—Archer-Daniels Midland Co
AROFLINT: Resins—Archer-Daniels-Midland Co
AROLAST: Elastomers—Archer-Daniels-Midland Co
AROLON: Water thinned resins—Archer-Daniels-Midland Co
AROMALOK: Flavors, spray dried—**Fritzsche Bros**
AROMEX: Carbon black—**J M Huber Corp**
AROPLAZ: Alkyd resins—Archer-Daniels-Midland Co
AROPOL: Polyester resins—Archer-Daniels-Midland Co
ARTHANE: Urethane resins—Archer-Daniels-Midland Co
AROTONE: Carbon black—**J M Huber Corp**
AROVEL: Carbon black—**J M Huber Corp**
AROX: Oil, pneumatic drill—**Esso Standard Oil**
ARPRO: Wheat germ oil—**General Mills, Specialty Products Div**
AQUA-SONIC: Metal cleaner—Northwest Chem Co
ARQUAD: Quaternary ammonium salts—**Armour Industrial Chem Co**
ARRIBIN: Imitation chocolate flavor—Felton Chem Co
ARROC: Silicone clear water repellant—Arco Co
ARROW BLACK: Carbon black—**J M Huber Corp**
ARROW STAR: Flour & starch—**Morningstar-Paisley, Inc**
ARROWHEAD; AUTO BOND: Bentonite, foundry—Magnet Cove Barium Corp
ARTEMP: Products—Aries Labs
►**ARTIC:** Methyl chloride—**DU PONT, ELECTROCHEMS DEPT**
ARTISIL: Dyes, disperse—Sandoz, Inc
►**ASA:** Anti-skinning agent—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
ASARCO: Nonferrous metals, alloys—American Smelting & Refining Co
ASCOVAT: Pigment—**Ansbacher-Siegel Corp**
ASEPTOFORMS: Bacteriostatic and fungistatic—Fries Bros
ASPLIT: Acidproof cements—**Pennsalt Chems Corp**
ASTRINGEN: Antiperspirant agent—**Waveriy Chem Co**
ASTROL: Dyes, acid—**General Dyestuff Co**
ASTROTONE: Fixative—Rhodia, Inc
ATLAC: Resins, polyester—**Atlas Chem Industries, Chem Div**
ATLACIDE: Weed killer—Chipman Chem Co
ATLAS: Chemicals, industrial; Explosives—**Atlas Chem Industries, Explosives & Chems Div**
ATLAS: Fire retardant—**H Kohnstamm & Co**
ATLAS: Waterproof white portland cement—Universal Atlas Cement
ATLAS A: Weed killer—Chipman Chem Co
ATLAS G-K: Jointing compound—**Atlas Chem Industries, Chems Div**
ATMOS: Emulsifiers, edible—**Atlas Chem Industries, Chems Div**
ATMUL: Emulsifiers, edible—**Atlas Chem Industries, Chems Div**
ATOMEX: Radioactivity decontaminant—Stieh Chems
ATOMEX: Immersion gold-plating solution—Engelhard Industries
ATOMITE: Calcium carbonate, waterground—Thompson-Weinman & Co
ATPET: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
ATRAZINE: Herbicide—Geigy Agricultural Chem Div
►**ATTACLAY:** Insecticide carriers, diluents—**MINERALS & CHEMS PHILIPP CORP**
►**ATTACOTE:** Chemical conditioner and spacing agent—**MINERALS & CHEMS PHILIPP CORP**
►**ATTAGEL:** Thickening, suspending, emulsifying, conditioning agents—**MINERALS & CHEMS PHILIPP CORP**
►**ATTAPULGUS CLAY:** Conditioning agent—**MINERALS & CHEMS PHILIPP CORP**
►**ATTASORB:** Chemical conditioner, thixotropic thickener—**MINERALS & CHEMS PHILIPP CORP**
AURAGREEN: Fungicides, turf—**Mallinckrodt Chem Works**
AURANTIOL: Chemicals, aromatic—**Givaudan-Delawanna**
AUROSAL: Electroplating gold—Engelhard Industries
►**AUTO-DRI:** Floor absorbent, oil & grease, economy grade—**MINERALS & CHEMS CORP OF AMERICA**
AUTO-SET 31: Urea formaldehyde binder—Borden Chem Co

►**AVADEX:** Herbicide—**MONSANTO CHEM CO**
AVOLIN: Dimethyl phthalate—**Fritzsche Bros**
AVRYLLIS: Perfume bases—**Fritzsche Bros**
AYTEX: Wheat starch—**General Mills, Specialty Products Div**
►**AZITE 900:** Liquefier—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
AZO FUCHSINE: Dyes, acid—**General Dyestuff Co**
AZO PHILOXINE: Dyes, acid—**General Dyestuff Co**
AZOSOL: Dyes, spirit-soluble—**General Dyestuff Co**

B

B-BEADS: Plastic scintillator beads—Pilot Chems, Inc
B WAX: Synthetic beeswax—**International Wax Refining Co**
BB ALKALI: Cleaner—**Diamond Alkali Co**
BB BRAND: Beeswax—Theodor Leonhard Wax Co
B-K LIQUID: Disinfectants, industrial—**Pennsalt Chem Corp**
B-K POWDER: Disinfectants—**Pennsalt Chems Corp**
B & P: Enamel—Tropical Paint Co
►**BP PYRO:** Sodium acid pyrophospate — **VICTOR CHEM WORKS**
►**BPL:** Beta propiolactone—**CELANESE CHEM CO**
BR-5512: Cleaner; Etching compound—DuBois Co
BR-5727: Chelating agent—DuBois Co
BT: Diagnostic reagents—Borden Chem Co
►**BTC:** Quaternaries—**ONYX CHEM CORP**
►**BW:** Sodium silicate—**PHILADELPHIA QUARTZ CO**
►**BX:** Riboflavin and multivitamin supplements for animal feeds—**COMMERCIAL SOLVENTS CORP**
►**BYC:** Quaternaries—**ONYX CHEM CORP**
BYF: Autolyzed yeast fractions—**Amber Labs**
BZQ 50; 55: Benzoyl peroxide paste, non-separating —US Peroxygen Corp
►**BACICAINE:** Antibiotics; Feed chemicals—**NOPCO CHEM CO**
►**BACIFERM:** Antibiotic feed supplements—**COMMERCIAL SOLVENTS CORP**
BAHAMA BLUE: Phthalocyanine blue—Standard Ultramarine & Color Co
BAITO: Insecticides, farm, garden—Miller Products Co
►**BAKE-AID:** Calcium phosphate—**VICTOR CHEM WORKS**
BAKELITE: Products—Union Carbide Plastics Co
BARABOND: Southern bentonite for foundry use—Baroid Chems
BARAGEL: Thickening agents for organic liquids—Baroid Chems
BARALYME: Absorbent, acid gas—Thomas A Edison Industries, Medical Gas Div
BARAWATE: Barytes—Baroid Div, National Lead Co
BARBER GILSONITE: Gilsonite—American Gilsonite Co
BARCA: Stabilizers—Deecy Products Co
BARCO: Industrial & electronic chems—Barium & Chems
BARDEN: Clay—**J M Huber Corp**
BARINAC: Stabilizer, vinyl—**National Lead Co**
►**BARNESITE:** Optical products—**LINDSAY CHEM DIV**
BARON: Weed killer—**Dow Chem Co**
BARQUAT: Quaternary ammonium compounds—Barlow Chem Corp
BARTYL: Anti-skinning agents—**Sindar Corp**
BASICOL: Oil substitutes, essential—**Fritzsche Bros**
►**BAYMAL:** Colloidal alumina—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
BAYOL: Mineral oil, white—**Esso Standard Oil**
BAY-SOL: Ammonium nitrate solutions—Escambia Chem Corp
BAYTEX: Adhesives, latex-type—U B S Chem Corp
BAYTOWN: Synthetic rubber—United Carbon Co
BE SQUARE: Waxes, microcrystalline—Bareco Wax Co
BEACON: Grease, low temperature—**Esso Standard Oil**
BEBEBOND: Adhesives—B B Chem Co
BEBEROD: Adhesives, thermal fusion—B B Chem Co
BEBETEX: Latex—B B Chem Co
BEBEWELD: Adhesives—B B Chem Co
►**BECCO:** Peroxide, peroxygen compounds—**BECCO CHEM DIV**
BECKACITE: Resins—Reichhold Chems, Inc
BECKOPOL: Resins—Reichhold Chems, Inc
BEEHIVE: White, yellow beeswax—**Will & Baumer Candle Co**
BEETLE: Molding compounds & resins—American Cyanamid Co, Plastics & Resins Div
BELACHROME: Mordant colors—Belle Chem Co
BELACID: Acid colors—Belle Chem Co
BELACYL: Disperse colors—Belle Chem Co
BELAMINE: Direct A20 colors for cellulose—Belle Chem Co
BELANTHRENE: Vat colors—Belle Chem Co
BELCOLAN: Acid prematallized—Belle Chem Co
BELIELOC: Fixing agents—Belle Chem Co
BELLENOL: Dye, finishing assistants—Belle Chem Co
BELL-MINE: High calcium lime, stone—Warner Co
BELNYL: Fast colors for nylon—Belle Chem Co
BELRO: Resin—**Hercules Powder Co**
BEMUL: Edible glyceryl monostearate—Beacon Chem Industries
BEN FRANKLIN: Agricultural gypsum—United States Gypsum Co
BEN-A-GEL: Thickening, suspension agent—**National Lead Co**
BEN HUR: Cleaners—Colgate-Palmolive Co
BENITE: Powdered asphalt—Bennett Inc
►**BENTHAL:** Alkyd resin intermediate—**MONSANTO CHEM CO**
BENTONE: Thickening, suspension agent—**National Lead Co**
BENZAHEX: BHC Insecticide—Chipman Chem Co
BENZO BROWN: Dyes, direct—**General Dyestuff Co**
►**BENZOFLEX:** Plasticizers—**TENNESSEE PRODUCTS & CHEM CORP**
BENOFORM: Dyes, direct—**General Dyestuff Co**
BENZO VISCOSE: Dyes, direct—**General Dyestuff Co**
BERNITE BR-4: Magnesium cleaner—Bernard Chem Products Co
BERNITE 45: Flux remover compound—Bernard Chem Products Co
BERRY BIG: Plant hormones—Miller Products Co
BE SQUARE: Hard & plastic waxes—**Bareco Wax Co**
BETANOX: Antioxidant, rubber—Naugatuck Chem Div
►**BETASOL:** OT wetting agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
BEUTENE: Rubber accelerator—Naugatuck Chem Div
BEX: Pure butter derivatives—Sterol Derivatives, Inc
BI-CAP: Flour enrichment concentrates—**Chas Pfizer & Co**
BIGARADINE: Synthetic orange oils—**Fritzsche Bros**
►**BIKALITH:** Lepidolite—**AMERICAN POTASH & CHEM CORP**
BIKINI: Floor wax—Uncle Sam Chem Co
►**BINOX M:** Antioxidant—**SHELL CHEM CO**
BIOBATE: Bates, leather—Wallerstein Co
BIONOL: Cationic bactericidal agents—**Antara Chems Div**
BIO-PABST: Antibiotic feed supplement—Pabst Brewing Co
BIOSTAT: Oxytetracycline hydrochloride—**Chas Pfizer & Co**
BISMATE: Rubber accelerator—R T Vanderbilt Co
BIT LUBE: Extreme pressure lubricant—Magnet Cove Barium Corp
BITUMINITE: Dynamite—**Hercules Powder Co**
►**BLACK DIAMOND:** Dynamite—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**BLACK HILLS:** Bentonite—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
BLACK MAGIC: Activated carbon, filter—**Barnebey-Cheney Co**
BLACK PEARLS: Carbon black, pelleted channel—**Cabot Corp**
BLANCOL: Dispersing agent—**Antara Chems Div**
BLANCOPHOR: Fluorescent brighteners—**General Dyestuff Co**
►**BLANDOL:** Mineral oil; Cosmetic chemical—**SONNEBORN CHEM & REFINING CORP**
BLANKIT: Sodium hydrosulfite—**Antara Chems Div**
BLAST: Steam cleaner—DuBois Co
►**BLAZECRETE:** Cement, refractory—**JOHNS-MANVILLE**
BLE: Antioxidant, rubber—Naugatuck Chem Div
BLOK BUSTER: Oil well stimulant—Magnet Cove Barium Corp
BLU-GLU: Flexible glue—Swift & Co, Adhesive Products Dept
►**BLUE MOUNTAIN:** Nepheline syenite—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
BLUE WHITENERS: Whiteners for gasoline kerosene —**Patent Chems**
BLUSOUR: Laundry sour—**H Kohnstamm & Co**
►**BOERITE:** Driving oils, leather—**NOPCO CHEM CO**
BOILERENE: Boiler compounds—Dacar Chem Products Co
BOLD: Fluorescent paint—Lawter Chems
BONDMASTER: Industrial adhesives—Rubber & Asbestos Corp
BONDOGEN: Plasticizer for rubber—R T Vanderbilt Co
BONDRITE: Natural rubber solvent cements—U B S Chem Corp
BOOK MASTER: Flexible glue—Swift & Co, Adhesive Products Dept
BOOSTER POWDER: Fertilizer—Miller Products Co
BORDEN'S 38: Fertilizer compound—Borden Chem Co
BORDO: Chemicals, agricultural—Miller Products Co
BORDUSTO: Chemicals, agricultural—Miller Products Co
BORESTER: Boric acid ester—**U S Borax**
BORNO: Products—Berkshire Color & Chem Corp
BOROCIDE: Insecticides, farm, garden—Miller Products Co
►**BORO-SPRAY:** Sodium pentaborate—**AMERICAN POTASH & CHEM CORP**
►**BOROTHERM:** Borate, technical—**AMERICAN POTASH & CHEM CORP**
►**BOSS:** Sodium sulfonate—**BRYTON CHEM CO**
BOSTIK: Adhesives—B B Chem Co
BOWAX: Laminating wax—Boler Petroleum Co
BOTH: Cleaner—Fuld Bros
BOTOL: Fuel emulsion preventative—Tretolite Co Div
BRAMBLECIDE: Products—Thompson Chems Corp
BRAMBLE WEEDCIDE: Products—Thompson Chems Corp
BRAZE: Rubber to metal adhesive—R T Vanderbilt Co
BREA: Petrochemicals; Fertilizers—Collier Carbon & Chem Corp
BREEZY: Deodorants—Uncle Sam Chem Co
BRETOL: Cetyl dimethyl ethyl ammonium bromide—**Fine Organics**
BRIC-BOND: Acid-proof cement—Ceilcote Co
BRICK MASTER: Periclase—**Michigan Chem Corp**
BRIDGE BAG: Oil well lost circulation material—Magnet Cove Barium Corp
BRIJ: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
BRILLIANT BLACK: Gilsonite, black, dense—G S Ziegler & Co
BRISCO: Depilitating compound—**Hercules Powder Co**
BRITE-WOOL: Wool soap—Britex Corp
BRIT-KAL: Products—Britex Corp
BRITLITE: Cleanser—Britex Corp
BRIT-O-LUX: Products—Britex Corp
BROM 55: Products—Bram Metallurgical-Chem Co
BROMAT: Cetyl dimethyl ammonium bromide—**Fine Organics**
►**BROMINOL:** Oil brominated—**ABBOTT LABS**
►**BROMOFUME:** Ethylene dibromide soil fumigant—**AMERICAN POTASH & CHEM CORP**
BROM-O-GAS: Methyl bromide—**Great Lakes Chem Corp**
►**BROMOTOX:** Space fumigant, methyl bromide and ethylene dibromide—**AMERICAN POTASH & CHEM CORP**
►**BROMVEGOL:** Food processing products—**S B PENICK & CO**
BRONOCO: Products—**R J Brown Co**
BROSCO: Textile auxiliaries—Scholler Bros
►**BRUSH BLITZ:** Herbicide—**MONSANTO CHEM CO**
BRUSHMASTER: Industrial adhesives—Rubber & Asbestos Corp
►**BRUSH-O-CIDE:** Herbicide—**MONSANTO CHEM CO**
BRYCO: Liquid detergent—**Pennsalt Chems Corp**
►**BRYLITE:** Sodium calcium, barium sulfonates—**BRYTON CHEM CO**
BUCKITE: Dead burned refractory dolomite—Ohio Lime Co
►**BUFFALO:** Acid dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
BUFFALO: Corn starch—Corn Products Co
BULIS EYE: Shellac—William Zinsser Co
BULLSEYE: Smokeless powder—**Hercules Powder Co**
BURTONITE: Hydrophylic colloids—**Burtonite Co**
BUTAC: Chemicals, rubber—**J M Huber Corp**
►**BUTACITE:** Polyvinyl butyral rosin—**DU PONT, POLYCHEMS DEPT**
BUTAPRENE: Styrene butadiene latexes—Firestone Plastics Co
BUTOBEN: Butylhydroxybenzoate—**Merck Chem Div**
►**BUTON:** Resin—**ENJAY CHEM CO**
BUTOXONE: Selective weed killer—Chipman Chem Co
BUTTATONE: Butter flavor, imitation—**Dodge & Olcott**
BUTVAR: Polyvinyl butyral resins—**Shawinigan Resins Corp**
BUTYL NAMATE: Latex accelerator—R T Vanderbilt Co
BUXINE: Amyl cinnamic aldehyde—**Givaudan-Delawanna**

C

►**C-A-A:** Lubricating oils—**MONSANTO CHEM CO**
C2: Sodium chlorite—**Olin Mathieson Chem Corp**
►**C-56:** Hexachlorocyclopentadiene—**HOOKER CHEM CORP**
C 64: Aromatic specialty chemical—**Dow Chem Co**
C-255: Process oil, rubber—C P Hall Co
CC: Charcoal briquets—Collier Carbon & Chem Corp
CCC: Products—Calcium Carbonate Co
►**CDB-59; 60; 70; 85:** Bleaches—**FMC CORP, MINERAL PRODUCTS DIV**
CDP: Feed supplement—**Smith-Douglass Co**
►**CE-100:** Hemicellulose enzyme—**MILES CHEM CO**
CH-100: Cleaners—**Diamond Alkali Co**
CIF: Products—Colver Co
C I MASTIC 60-25: Protective coating—**Benjamin Foster Co**
►**CM:** Flame retardant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
CM-19: Fungicides, foliage—Guardian Chem Corp
►**CP-40:** Chlorinated paraffin—**HOOKER CHEM CORP**
CPA-1800: Electroplating salt—**Diamond Alkali Co**
CPX 50; 40: Non-separating cyclo-hexanone peroxide, paste 50%; liquid, 40%—U S Peroxygen Corp
CS: Corrosion inhibitor—**Hagan Chems & Controls**
CS-137: Stabilizer, vinyl—**National Lead Co**
CAB-O-LITE: Wollastonite—**Cabot Corp**
CAB-O-SIL: Silica—**Cabot Corp**
CACHALOT: Higher fatty alcohols—**M Michel & Co**
►**CADALYTE:** Cadmium plating products—**DU PONT, ELECTROCHEMS DEPT**
CADMINATE: Fungicides, turf—**Mallinckrodt Chem Works**
►**CADOX:** Peroxide compounds—**McKESSON & ROBBINS, CHEM DEPT**
CAFE MAG: Sequestering agent—Pfister Chem Works
CALADEX: Paper starches—A E Staley Mfg Co
CAL-A-SAL: Ammonium chloride—Geo Callahan & Co
►**CALCENE:** Calcium carbonate—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
CALCERITE: Plastics, casting—Furane Plastics
►**CALCO:** Dyes—**AMERIAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CALCOFLUOR:** Optical brighteners—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CALGON: Products—Hagan Chems & Controls
CALMAGOX: Magnesite—Philip Carey Mfg Co
CALMASENE: Chelating agents—Belle Chem Co
CALO-CLOR: Fungicides, turf—**Mallinckrodt Chem Works**
CALOCURE: Fungicides, turf—**Mallinckrodt Chem Works**
CALODORANT: Gas odorants—**Oronite Div**
CALOGREEN: Turf fungicides—**Mallinckrodt Chem Works**
CALOMAG: Insecticides, farm, garden—Miller Products Co
CALORIA: Lubricant, high temperature—**Esso Standard Oil**
CALSATE: Hydrated lime—Limestone Products Co
CAL-SET: Ink—**California Ink Co**
CALSTAR: Stabilizer, vinyl—**National Lead Co**
►**CAL-SUL:** Clinical reagent—**CALIFORNIA CORP FOR BIOCHEM RESEARCH**
CALWHITE: Calcium carbonate filler—**Georgia Marble Co**

CAMEL-CARB;—TEX;—WITE: Calcium carbonate filler & extender—Harry T Campbell Sons' Corp
CAMEO: Laundry starch—A E Staley Mfg Co
CAN-A-MUD: Barite for offshore drilling—Magnet Cove Barium Corp
CANTONA: Oil, cylinder—**Esso Standard Oil**
CAPITAL: Acids, fatty, distilled—Capital City Products Co
CAPITOL: Liners, finishes—Textile Proofers
CAPOX: Catalized epoxy coating—Subox, Inc
►**CAPROLAN:** Polycapramide nylon—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
CAPTAIN: Odorants; Gas mercaptans—Natural Gas Odorizing
CAPTAX: Rubber accelerator—R T Vanderbilt Co
CARALAK: Irish moss extract; Vegetable gum compound—Marine Colloids, Inc
CARAMELLONE: Flavors—**Florasynth Labs**
►**CARBANSOL:** Vat pigment—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**CARBANTHRENE:** Anthraquinone vat dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
CARBASOL: Resins—C J Osborn Co
CARBITOL: Diethylene glycol ethers, diethers, esters —**Union Carbide Chems Co**
CARBIUM: Calcium carbonate—**Diamond Alkali Co**
CARBO: Chemicals, agricultural—Miller Products Co
CARBOCERA: Mold lubricant—Cornelius Wax Refining Corp
CARBO-DUR: Water purification carbons—Permutit Co
CARBO-KOREZ: Acid-alkali-solvent proofing compound —**Atlas Chem Industries, Chems Div**
CARBOLAC: Carbon black, channel—**Cabot Corp**
CARBOLITE: Soot & carbon removers—Ampion Corp
CARBOLON: Silicon carbolon abrasive grain—Exolon Co
CARBOMIX: SBR black-master batch polymers—Copolymer Rubber & Chem Corp
CARBOPOL: Hydrophilic polymers—B F Goodrich Chem Co
►**CARBOSE:** Sodium carboxymethyl cellulose—**WYANDOTTE CHEMS CORP**
CARBOSEAL: Sealers, gas line—**Union Carbide Chems Co**
CARBOSOL NO 2: Weed killer—Industrial Materials Co
CARBO-SOUR: Sours, laundry—**Diamond Alkali Co**
CARBOWAX: Glycols, polyethylene, methoxy polyethylene—**Union Carbide Chems Co**
CARBOXIDE: Fumigants, sterilant—**Union Carbide Chems Co**
CARBUREX: Automotive specialties, chem—DuBois Co
CARBYNE: Herbicide—Spencer Chem Co
CARDASOL: Alkaline setting starch paste, cement additive—Minnesota Mining & Mfg Co, Chem Div
CARDINAL: Products—**Mississippi Lime Co**
►**CARDIS:** Emulsifiable petroleum wax—**WARWICK WAX DIV**
CARDOL: Textile oil—**Maher Color & Chem Co**
CARDOLITE: Resin, cashew nut shell liquid—Minnesota Mining & Mfg Co, Chem Div
►**CARNATION:** Mineral oil; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
CARN-O-SHYNE: Liquid & paste floor waxes—**Trio Chem Works**
CAROLATES: Cosmetics bases—**Robeco Chems**
CAROLID: Dye carrier—Tanatex Chem Corp
CAROX: Potassium permanganate—Carus Chem Co
CAROXITE: Carbon dioxide absorbent—**Fisher Scientific Co**
CARRICLAY: Fuller earth for agriculture—Magnet Cove Barium Corp
CARUM: Grease, solvent resistant—**Esso Standard Oil**
CASCADE: Case chain lubricator—Oakite Products
CASCAMITE: Powdered synthetic resin plastic adhesives—Borden Chem Co
CASCO: Paints; glues, adhesives—Borden Chem Co
CASCOFIL: Shell flour—Borden Chem Co
CASCOLA: Label glue—Borden Chem Co
CASCOLAC: Casein for inks & for use in coating paper—Borden Chem Co
CASCOLOID: Casein base, binder emulsifier—Borden Chem Co, Casein Dept
CASCOPHEN: Glues—Borden Chem Co
CASCOREZ: Resin glues, adhesives—Borden Chem Co
CASCOTE: Synthetic resins—Borden Chem Co
CASCOTIN: Casein paste—Borden Chem Co
CASEMAKE: Flexible glue—Swift & Co, Adhesive Products Dept
CASPRO: Vermiculite—California Products Corp
CASTOMER: Urethane resin—Isocyanate Products
CASTORDAG: Colloidal graphite in castor oil—Acheson Colloids Co
CASTORWAX: Oil castor; Wax, synthetic—**Baker Castor Oil Co**
CASTROLITE: Sulfonated castor oil—Royce Chem Co
CASTUNG: Oil, castor; Drying—**Baker Castor Oil Co**
CAT LUBE: Products—Filtrol Corp
CATALASE-FC: Mold catalase—Fermco Labs
►**CATANIC:** Antistatic agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CATO: Starch, paper, textile—National Starch & Chem Corp
CAZAR: Grease—**Esso Standard Oil**
CEBICURE: Ascorbic acid—**Merck Chem Div**
CEBITATE: Sodium ascorbate—**Merck Chem Div**
CEDAR HOLLOW: Dolomitic lime, stone—Warner Co
CEILCOTE: Corrosion proof linings—**Ceilcote Co**
CEILCRETE: Acid proof lining—**Ceilcote Co**
►**CELANESE:** Products—**CELANESE PLASTICS CO**
►**CELCON:** Acetyl copolymer—**CELANESE POLYMER CO**
►**CELITE:** Diatomaceous earth products—**JOHNS-MANVILLE**
►**CELKATE:** Magnesium silicate, synthetic—**JOHNS-MANVILLE**
CELLEX: Cellulose exchangers—**Bio-Rad Labs**
CELLINEROL: Dyes, disperse—**General Dyestuff Co**
CELLITAZOL: Dyes, disperse—**General Dyestuff Co**
CELLITON: Dyes, disperse—**General Dyestuff Co**
CELLOLUBE: Cationic softener—Tanatex Chem Corp
CELLOLYN: Resins—**Hercules Powder Co**
CELL-O-SEAL: Cellophane flakes, oil well—Magnet Cove Barium Corp
CELLOSIZE: Hydroxyethyl cellulose—**Union Carbide Chems Co**
CELLOSOLVE: Ethylene gycol ethers, diethers, esters —**Union Carbide Chems Co**
►**CELLUFLEX:** Products—**CELANESE CHEM CO**
CELLUFLOC: Products—Puget Sound Pulp & Timber Co
►**CELLUGUARD:** Fire resistant water-glycol hydraulic fluid—**CELANESE CHEM CO**
CELLU-LOK: Resin-base adhesive—National Starch & Chem Corp
►**CELLULUBE:** Hydraulic fluids—**CELANESE CHEM CO**
CELLUNIER: Cellulose—Rayonier, Inc
►**CELLUPHOS:** Tripropyl phosphate—**CELANESE CHEM CO**
CELOGEN: Blowing agents, sponge rubber—Naugatuck Chem Div
CELLUTAC: Adhesives—Morningstar-Paisley, Inc
►**CELLUTHERM:** Synthetic lubricant for aircraft gas turbine engines—**CELANESE CHEM CO**
►**CEMAD:** Cement additive—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
CEMENTKOTE: Exterior masonry paint—Tropical Paint Co
CEMOL: Fulling compounds—**Maher Color & Chem Co**
CENTIFOLIOL: Oil, rose, synthetic—**Fritzsche Bros**
CENTURY: Fatty acids—**Harchem Div, Wallace & Tiernan Inc**
CENTURY HYDREX: Hydrogenated fatty acids—**Harchem Div, Wallace & Tiernan Inc**
CERALAN: Lanolin alcohols—Robinson Wagner Co
CERALLOY: Rare earth alloys—Ronson Metals Corp
CERANINE: Textile softeners—Sandoz, Inc
CERATAK: Plastic waxes—**Bareco Wax Co**
CERAWELD: Plastic waxes—**Bareco Wax Co**
CERAX: For paste polishes—Cornelius Wax Refining Corp
CERES: Pigments, candle—**General Dyestuff Co**
►**CERESAN:** Seed disinfectants—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
CERFAK: Detergents—E F Houghton Co
CERITA: Waxes, industrial—M Argueso & Co
CERMASTIC B-50: Acid corrosion protection—Continental Coatings Corp
CEROL: Water repellent, textile—Sandoz, Inc
►**CEROX:** Optical polishing products—**LINDSAY CHEM DIV**
CERTOX: Insecticides; Rodenticides; Wood preservers —York Chem Co
CETAB: Cetyl trimethyl ammonium bromide—**Fine Organics**
CETINATES: Spermaceti salt of glycerol ester—**Robeco Chems**
CHALLENGE: Oil, neatsfoot—Reilly-Whiteman-Walton Co
►**CHARG-A-CAN:** Refrigerant chems—**AMERICAN POTASH & CHEM CORP**
►**CHARG-A-CAR:** Refrigerant chems—**AMERICAN POTASH & CHEM CORP**
CHAROLITE: Coating, patent leather—UBS Chem Corp
CHEELOX: Sequestering agent—**Antara Chems Div**
CHEL: Sequestering agents—Geigy Industrial Chems
CHEM-BRIX: Fire brick—Illinois Clay Products Co
CHEMICAT: Cationic polymers—**Chemirad Corp**
CHEMIGLOV: Protective skin cream—**Fisher Scientific Co**
CHEMIGUM: Butadiene-acrylonitrile rubber & latices —Goodyear Tire & Rubber Co, Chem Div
CHEMIQUAT: Polymeric quaternary ammonium compounds—**Chemirad Corp**
CHEMIVIC: Vinyl-nitrile rubber—Goodyear Tire & Rubber Co, Chem Div
CHEM-O-SOL: Plastisols—Chemical Products Corp (RI)
CHEMPOL: Alkyd resins—Freeman Chem Corp
CHEMTITE: Bottle label adhesives—National Starch & Chem Corp
CHEM VAPE: Products—Chemical Insecticide Corp
CHEVRON: Naphthalene acid—**Oronite Chem Co**
CHIPCAL: Crabgrass killer—Chipman Chem Co
CHIPCOTE: Seed disinfectant—Chipman Chem Co
CHLORACEL: Products—Reheis Co
CHLORASOL: Solvent, fumigant—**Union Carbide Chems Co**
CHLORDARE: Textile resin—Metro-Atlantic, Inc
CHLORDUSTO: Insecticides, farm, garden—Miller Products Co
CHLOREA: Weed killer—Chipman Chem Co
CHLOREGAL: Wool shrinkage controller—**Geigy Dyestuffs Div**
CHLORESCO: Laundry bleach—**Cowles Chem Co**
CHLOREZ: Paraffin, chlorinated—Dover Chem Corp
CHLORHODIA: Anti-greasing agent—Rhodia, Inc
CHLORHYDROL: Products—Reheis Co
CHLORMATIC: Dye carrier—Heyden Newport Chem Corp
CHLOROBENZILATE: Miticide — Geigy Agricultural Chems Div
CHLOROFUME: Grain fumigant—Frontier Chem Co
CHLOROGEN: Antiperspirant agent—Waverly Chem Co
CHLOROPRIME: Primer, metal, paint—**Atlas Chem Industries, Chems Div**
CHLOROSPRA: Insecticides, farm, garden—Miller Products Co
CHLOROTHENE: Degreasing solvent—**Dow Chem Co**
CHLOROWAX: Paraffin, chlorinated—**Diamond Alkali Co**
CHLOROX 40: Weed killer—Chipman Chem Co
CHLOR-TERGENT: Detergents—Oakite Products
CHOCOLIN: Imitation chocolate flavor—Felton Chem Co
CHROMEKILL 4A: Chromium reducer—Enthone, Inc
CHROMICOAT: Coatings, corrosion control—Oakite Products
CHROMINDIGEN: Dyes, direct—**General Dyestuff Co**
CHROMOGENE: Dyes, acid—**General Dyestuff Co**
CHROMOL: Fat liquors—**Diamond Alkali Co**
►**CHROMOLAN:** Acid dyes, metallized—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**CHROMOSORB:** Chromatographic supports—**JOHNS-MANVILLE**
CHROMOXANE: Dyes, acid—**General Dyestuff Co**
CHROMTEMP: Exothermic ferrochrome—Union Carbide Metals Co
CICOLATE: Drier—California Ink Co
CICOSOL: Drier—California Ink Co
CIFON: Sewage treatment chem—**Fine Organics**
CIMBAR: Products—Magnet Cove Barium Corp
►**CIRCO:** Rubber softeners, plasticizers—**SUN OIL CO**
►**CIRCOSOL:** Rubber softeners, plasticizers—**SUN OIL CO**
CIRKAL: Detergent—**Diamond Alkali Co**
CIS-4: Cis-polybutadiene—**Phillips Petroleum Co, Special Products Div**
CITROFLEX: Acid esters, citric—**Chas Pfizer & Co**
CITROSYNTH: Products—**Florasynth Labs**
CITROVIOL: Aromatic specialty chem—**Dow Chem Co**
►**CLARASE:** Amylase enzyme—**MILES CHEM CO**
CLARITE: Stabilizer, vinyl—**National Lead Co**
CLARO: Starches—Corn Products Co
CLEARATE: Soya lecithin—**W A Cleary Corp**
CLEARJEL: Starch, food—National Starch & Chem Corp
CLEARLAN: Lanolin anhydrous—Malmstrom Chem Corp
CLEAR-SELE: Coating, clear, waterproofing—Rust-Oleum Corp
CLEARSIZE: Starch, laundry—National Starch & Chem Corp
CLEARSTRIP: Adhesives—National Starch & Chem Corp
CLEARTEX: Starch, laundry—National Starch & Chem Corp
CLEENO: Cleaners, floor—Fuld Bros
CLENESCO: Dairy cleaners—**Cowles Chem Co**
CLINCO: Starch, corn—Clinton Corn Processing Co
CLINCOR: Starch, corn—Clinton Corn Processing Co
CLINEO: Starch, corn—Clinton Corn Processing Co
CLINTAN: Corn sugar, liquid tanners'—Clinton Corn Processing Co
CLINTEX: Starch, corn—Clinton Corn Processing Co
CLINTOSE: Dextrose—Clinton Corn Processing Co
CLINVERT: Starch, corn—Clinton Corn Processing Co
CLIPFAS 82-25: Insulation adhesive—Benjamin Foster Co
CLIPPER CLEANER: Cleaners—**Diamond Alkali Co**
CLOR: Disinfectants—**Pennsalt Chems Corp**
CLORAFIN: Chlorinated paraffin—**Hercules Powder Co**
CLORANGE: Products—**Florasynth Labs**
CLOREZE: Bleach—**Pennsalt Chems Corp**
CLORITAL: Chlorinated dairy cleaner—**Pennsalt Chems Corp**
CLORLOK: Acid-proof cements—**Pennsalt Chems Corp**
CHLOROPACTIN: Pharmaceutical—Guardian Chem Corp
CLOR-TABS: Products—**Pennsalt Chems Corp**
CLOUDINOL N: Products—**Florasynth Labs**
COACETATEBLAK: Dispersion—**Columbia Carbon Co**
►**COAL KING:** Electric blasting cap—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
COALATE: Explosives—Atlas Powder Co, Explosives Div
COBEE: Coconut oil—E F Drew & Co
COBLAC: Dispersion—**Columbian Carbon Co**
COBLAX: Oil, black—**Esso Standard Oil**
COCOA VAN: Chocolate vanilla flavoring, powdered—**Dodge & Olcott**
COETHLOBLAK: Dispersion—**Columbian Carbon Co**
COLD FRONT: Fumigant—**Diamond Alkali Co**
COLD-PRO: Bleached shellac—**Acme Shellac Products Co**
COLESCO: Laundry detergent—**Cowles Chem Co**
COL FLO: Starch, food—National Starch & Chem Corp
►**COLFOAM:** Urea formaldehyde foams— **AIR REDUCTION CHEM & CARBIDE CO**
COLGATE: Soaps—Colgate-Palmolive Co
COLITE: Lubricant, mold—Beacon Chem Industries
COLLARGOL: Silver, colloidal—Heyden Newport Chem Corp
COLLIER-C: Dynamite—**Hercules Powder Co**
COLLOCARB: Carbon black—**J M Huber Corp**
COLLOIDEX: Citrus flavors, water soluble—**Dodge & Olcott**
COLLORESINE: Sodium carboyxmethyl cellulose—**Antara Chems Div**
COLL-O-SOL: Glue—Swift & Co, Adhesive Products Dept
COLOIDEX: Carbon black—**Columbian Carbon Co**
COLONEL DRAKE: Lubricating oils—Pennsylvania Refining Co
COLOROMES: Para block perfume, color—Felton Chem Co
COLOR-SET: Chemicals, agricultural—**Dow Chem Co**
COLORTREND: Dispersions—California Ink Co
►**COLTON:** Polymers—**AIR REDUCTION CHEM & CARBIDE CO**
COLUMBIA: Activated carbon—National Carbon Co
COMFORT ME: Perfume base—**Florasynth Labs**
COMP: Cleaners, floor—Fuld Bros
COMPO-BOND: Acid proof cement—Ceilcote Co
►**COMPOUND C:** Septic tank activator—**MILES CHEM CO**
COMPREGNITE: Liquid phenol formaldehyde resin solution—Borden Chem Co

CONAX: All-purpose flavors, imitation—**Dodge & Olcott**
CONCENTAL: Sulfated tallows—Arnold, Hoffman & Co
CONCOAT-75: Coal-Tar emulsion—Continental Coatings Corp
CONCOAT ALUMINUM: Roof coating—Continental Coatings Corp
CONDUX: Rubber compounds, conductive—H V Hardman Co
CONJULIN: Conjugated linseed oil & fatty acid—Woburn Chem Co
CONJUSOY: Conjugated soybean oil—Woburn Chem Co
►**CONOCO:** Plasticizer; Detergent—**CONTINENTAL OIL CO**
►**CONOCO DBCL:** Dodecylbenzyl chloride—**CONTINENTAL OIL CO**
►**CONOCO H-35; H-300:** Secondary plasticizer—**CONTINENTAL OIL CO**
►**CON-SAL:** Sal soda concentrated—**CHURCH & DWIGHT CO, INC**
CONSEAL: Blacktop protection—Continental Coatings Corp
CON-SEAL: Gas main sealant—West Chester Chem Co
CONTINENTAL: Kaolin clay—R T Vanderbilt, Specialties Dept
►**CONTINENTAL:** Carbon black—**WITCO CHEM CO**
►**CONTINEX:** Carbon black—**WITCO CHEM CO**
CONVERTASE: Enzyme, diastatic—Schwarz BioResearch
CONVERTIT: Invertase, confectionery—Wallerstein Co
CONVERTOMATIC: Detergent—Essential Chems Co
►**COOLANOL 45:** Electronic equipment cooler—**MONSANTO CHEM CO**
COOLERANT: Aluminum roof paint—Tropical Paint Co
COPO: SBR non-pigmented polymers & latices—Copolymers Rubber & Chem Corp
COP-O-ZINK: Foliage fungicide—**Tennessee Corp**
►**COPPRALYTE:** Copper plating products—**DU PONT, ELECTROCHEMS DEPT**
CORAVOL: Steam system treatment—Western Chem Co
CORAY: Oil, lubricating—**Esso Standard Oil**
CORDENIER: Cellulose, wood—Rayonier, Inc
CO-RELEES: Sand conditioners—Reichhold Chems, Inc
CORESINBLAK: Dispersions—**Columbian Carbon Co**
CORIAL: Finishes, leather—**Antara Chems Div**
CORLOK: Acidproof cements—**Pennsalt Chems Corp**
CORNELOWAX: For paste polishes—Cornelius Wax Refining Corp
COROBEX: Fungistat; bactericide—Royce Chem Co
COROBOND: Acid & alkali proof cement—Ceilcote Co
COROCRETE: Acid proof flooring—Ceilcote Co
CORO-GARD: Protective coatings—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
COROLINE: Acid and alkali proof lining—Ceilcote Co
CORONA: Oil, Ylang Ylang—**Fritzsche Bros**
COROVIT: Binders, core—Reichhold Chems, Inc
CORPOLIN: Agent, plasticizing; Assistant, vat dyeing—Heyden Newport Chem Corp
CORROCOTE: Protective coatings—Chemical Coatings & Engrg Co
►**COSMIC BLACK:** Bone black pigment—**AMERICAN AGRICULTURAL CHEM CO**
COSMO: All-purpose flavors, imitation—**Dodge & Olcott**
COSMOL: Sperm oil esters—Archer-Daniels-Midland Co
COSMOLINE: Rust preventatives—E F Houghton & Co
COSMOLUBRIC: Low cold test lubricant—E F Houghton & Co
COSTYRENEBLAK: Dispersion—**Columbian Carbon Co**
COVARNISHBLAK: Dispersion—**Columbian Carbon Co**
CONVINYLBLAK: Dispersion—**Columbian Carbon Co**
COWAXBLAK: Dispersion—**Columbian Carbon Co**
COW-TENT: Fly repellents—**McLaughlin Gormley King**
CRAG: Chemicals, agricultural; Fungicides; insect repellents—**Union Carbide Chems Co**
CRATER: Sulfur, agricultural—Miller Products Co
CREAMOYL: Textiles softener, finishes—Scholler Bros
CREME GLOSS: Furniture polish—Uncle Sam Chem Co
CRESOPHAN: Products—Fries Bros
CREST: Laundry Starch—A E Staley Mfg Co
CROMEX: Chrome cleaner—Arol Chem Products
►**CROP GUARD:** Weed killer—**MONSANTO CHEM CO**
CROP RIDER: Herbicides—**Diamond Alkali Co**
CROTONONITRILE: Products—**Roberts Chems, Inc**
CROWN: Clays, rubber-maker—Southeastern Clay Co
CRUISER: Lubricating oils—Pennsylvania Refining Co
CRYPTONE: Zinc sulfide—New Jersey Zinc Co
CRYSCOAT: Coatings, corrosion control—Oakite Products
CRYSTAL BASE: Soap, water soluble—DuBois Co
CRYSTAL O: Oil, castor—**Baker Castor Oil Co**
CRYSTALETS: Crystalline vitamin A acetate—**Chas Pfizer & Co**
CRYSTAMET: Sodium metalsilicate pentahydrate—**Cowles Chem Co**
►**CRYSTEX:** Insoluble sulfur—**STAUFFER CHEM CO**
CUBOR: Dusts, rotenone—Chipman Chem Co
CULCLEER: Water purification system—Culligan, Inc
CULISORB: Filtration zeolite—Culligan, Inc
CULLAR: Filtration carbon—Culligan, Inc
CULLEX: Ion exchange resin—Culligan, Inc
CULLITE: Zeolite—Culligan, Inc
CULLNEAU: pH control agent—Culligan, Inc
CULLSAN: Filtration sand—Culligan, Inc
CUMATE: Rubber accelerator—R T Vanderbilt Co
CUNILATE: Fungicide, lumber, paint, textile—Scientific Chems
CUNIMENE: Fungicide, textile—Scientific Chems
CUNIPEL: Water repellents, textile—Scientific Chems
CUNIPHEN: Fungicide, textile—Scientific Chems
►**CUPOLIN:** Refractory clay—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
CUPRA: Preservatives, wood—Miller Products Co
►**CUPREX:** Copper (acid) electroplating process—**HARSHAW CHEM CO**
CUPREX: Ectoparasiticidal preparation—**Merck Chem Div**
CUPROCIDE: Cuprous oxide plant fungicides—**Rohm & Haas Co**
CUPROFIX: Dyes—Sandoz, Inc
CUPROPHENYL: Direct dyes—**Geigy Dyestuffs Div**
CURE-SET: Waterproof adhesive for laying rubber vinyl tile—Borden Chem Co
CURONA: Antioxidant-curing aid, meat—Wallerstein Co
CUT-EASE; Stick lubricant—American Grease Stick Co
CUT-MAX: Cutting oils & bases—E F Houghton & Co
►**CYADYNE:** Dynamite—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYA-GEL-PAK:** Dynamite—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYAMITE:** Blasting agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYAMON:** Blasting agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CYANAGUM 41: Gelling agent—American Cyanamid Co, Market Development Dept
►**CYANA PERMEL; PERMEL PLUS; SUPERSET:** Finishes—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CYANAMER: Acrylic polymers—American Cyanamid Co, Market Development Dept
CYANANTHROL: Dyes, acid—**General Dyestuff Co**
►**CYANATEX:** Antifoams—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYANEGG:** Sodium cyanide—**DU PONT, ELECTROCHEMS DEPT**
CY-AN-IN: Indium-cyanide plating bath—Indium Corp of America
►**CYANOBRIK:** Sodium cyanide—**DU PONT, ELECTROCHEMS DEPT**
►**CYANOCEL:** Chemically modified cellulose—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYANOFLAKE;** Sodium cyanide—**DU PONT, ELECTROCHEMS DEPT**
►**CYANOGRAM:** Sodium cyanide—**DU PONT, ELECTROCHEMS DEPT**
►**CYASORB:** Ultraviolet absorbers—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CYCLAMAL: Chemicals, aromatic—**Verona-Pharma Chem Corp**
CYCLO: Products—C Lever Co
►**CYCLOCEL:** Catalysts, reforming—**MINERALS & CHEMS PHILIPP CORP**
CYCLONE: Leather finishing agents—B B Chem Co
CYCLONOL: Aromatic—Fries Bros
CYCLO-SOL: Aromatic petroleum solvents—Shell Oil Co
CYCLOTENE: Aromatic specialty chem—**Dow Chem Co**
►**CYDAC:** Accelerator—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**CYFOR:** Fortified rosin size—**AMERICAN CYANAMID INDUSTRIAL CHEMS DIV**
CYLESSO: Oil, cylinder—**Esso Standard Oil**
CYL-SEAL: Pipe joint compound—West Chester Chem Co
CYL-TAL: Oils—E F Houghton & Co
CYMEL: Molding compounds, resins—American Cyanamid Co, Plastics & Resins Div
►**CYNOL:** Softening, rewetting, defoaming agents—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**CYNOREX:** Copper (cyanide) electroplating process—**HARSHAW CHEM CO**
►**CYPAN:** Drilling mud chems—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**CYPEL:** Resin, paper—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
CYPER: Dyes, leather—**General Dyestuff Co**
►**CYQUEST:** Sequestering agents—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**CYRON:** Chemical size—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**CYURAM:** Accelerator—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
CYZAC: Surface coating resins—American Cyanamid Co Plastics & Resins Div
►**CYZATE:** Accelerator—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**

D

DB: Oil, castor; Dielectric fluid—**Baker Castor Oil Co**
►**DBPC:** Flaked antioxidant, oils & gasoline—**KOPPERS CO, TAR PRODUCTS DIV**
DBT 50: Algaecide—**Fine Organics**
DCM: Cleaners—Oakite Products
DD: Drilling mud additive—Magnet Cove Barium Corp
►**D-D:** Soil fumigant—**SHELL CHEM CO**
DDI: Aerosol disinfectant, deodorant, insecticide—Fuld Bros
DFA: Antifoaming agents—Mearl Chem Corp
DMP: Substituted aminomethyl phenols—**Rohm & Haas Co**
DN-111: Insecticide—Dow Chem Co
DN-289: Insecticides, fungicide—**Dow Chem Co**
DN-DRY MIX: Insecticide—**Dow Chem Co**
►**DP SOLUTION:** Lacquer additives—**MONSANTO CHEM CO**
DPR: Rubber, natural, depolymerized—H V Hardman Co
DS-207: Stabilizers, vinyl—**National Lead Co**
DABCO: Polyurethane foam catalyst—Houdry Process Corp
DACARENE: Boiler compounds—**Dacar Chem Products Co**
DACAROL: Fuel oil additive—**Dacar Chem Products Co**
DACFIA: Fumigant—**Diamond Alkali Co**
►**DACOLYTE:** Addition agent—**DU PONT, ELECTROCHEMS DEPT**
DACOR: Activated carbon filter—**Barnebey-Cheney Co**
DACTHAL: Selective herbicide—**Diamond Alkali Co**
DAG DISPERSIONS: Products—Acheson Colloids Co
DAIR: Detergent, dairy—DuBois Co
DAIRYCHECK: Chemicals, milk—Techniservice
►**DAIRYSEAL:** Dairy waxes—**SUN OIL CO**
►**DALAMAR:** Azo yellow—**DU PONT, PIGMENTS DEPT**
►**DALPAC:** Products—**McKESSON & ROBBINS, CHEM DEPT**
DALPAC: Antioxidants—**Hercules Powder Co**
DAMPFOIL: Paints, damp-resisting—Inertol Co
DANDA: Vitamin concentrate, A, D—**General Mills, Special Commodities Div**
DANTOIN: Dichlorodimethyl hydantoin—**Glyco Chems**
DAPON RESIN; M: Resins, bonding, casting—FMC Corp, Chems & Plastics Div
D-CARB: Strippers, paint—DuBois Co
DARCO: Carbon, activated—Atlas Chem Industries, Chems Div
DAREX: Products—Dewey & Almy Chem Div
DARI-KLEEN: Acid cleaner & milkstone remover—**Pennsalt Chems Corp**
DARI-VIM: Products—**Vitamins, Inc**
DAR-O-BRITE: Products—Britex Corp
DARSOL: Solvents—Dacar Chem Products
DARVAN: Dispersing agents—R T Vanderbilt Co
►**DAV-AD:** Antioxidant—**DAVISON CHEM DIV**
DAVENITE: Water ground mica—Hayden Mica Co
DAXAD: Products—Dewey & Almy Chem Div Co
DAXCEL: Adhesives; Coatings—Dacar Chem Products
DE-ACIDITE: Resins, ion exchange—Permutit Co
►**DEAD EASY:** Insecticide—**S B PENICK & CO**
DE-AIREX: Defoamers—E F Houghton & Co
DEALMATE: Amine salts—**Hercules Powder Co**
DECALSO: Sodium alumino-silicate gel—Permutit Co
►**DECERESOL:** Penetrants, wetting agents—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
DECROLINE: Zinc sulfoxylate formaldehyde—**Antara Chems Div**
DEDORITE: Activated carbon—**Barnebey-Cheney Co**
►**DEENATE:** Insecticide—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**DEENAX:** Antioxidants—**ENJAY CHEM CO**
►**DEE O:** Food antioxidant—**MILES CHEM CO**
DEFLOC: Laundry detergent—**Cowles Chem Co**
►**DEFLUOROFOS:** Phosphate, defluorinated—**INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV**
DE-FOL-ATE: Defoliants—**Pennsalt Chems Corp**
DEGELL: Viscosity reducer—**Beacon Chem Industries**
DENYDRO: Asphalt additive—Tretolite Co Div
DENYDROL: Oil, castor, dehydrated—**Sherwin-Williams Co**
DELAC: Accelerator, rubber—**Naugatuck Chem Div**
DELAMATE: Fatty amine salts—**Hercules Powder Co**
DELAM: Absorption base—Lanaetex Products, Inc
DELCHEM: Products—**Pennsalt Chems Corp**
DELEX: Dielectric fluids—Deecy Products Co
DE-LIQUID: Products—**Vitamins, Inc**
DELNAV: Miticide—Hercules Powder Co
DELOZIN: Zinc electroplating compound—**Diamond Alkali Co**
►**DELRIN:** Acetal resin—**DU PONT, POLYCHEMS DEPT**
►**DELSAN:** Seed protectant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
DELTYL: Isopropyl myristate—**Givaudan-Delawanna**
►**DEMIVIS:** Vinyl foam synergist—**CONTINENTAL OIL CO**
DENSEPAK: Carbon black—**J M Huber Corp**
►**DENSITOL:** Sesame oil, brominated—**ABBOTT LABS**
►**DEO-BASE:** Petrolatum—**SONNEBORN CHEM & REFINING CORP**
DEOCIDE: Aerosol sanitizer—Uncle Sam Chem Co
DEODALL: Deodorant-reodorant—**Sindar Corp**
►**DEOLEATED:** Almond meal—**S B PENICK & CO**
DEOXO: Gas indicators, purifiers—Engelhard Industries
DEOXY-SOL: Oxygen scavenger—**Fairmount Chem Co**
DEPENDON: Bottle wash—Britex Corp
►**DEPILIN:** Dehairing agents—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
DERIPHAT: Amphoteric surface active agents—**General Mills, Chem Div**
DERMALIGHT: Dyes, leather—Sandoz, Inc
DERMOFIX: Leather fixing agent—Fiber Chem Corp
DERMOLIQUOR: Fat liquors—Fiber Chem Corp
DERMOPLAST: Plasticizer—Fiber Chem Corp
DESICCITE: Products—Filtrol Corp
DESIGN: Resin-emulsions adhesives—Borden Chem Co
DESMER: Mercerizing assistant—Jacques Wolf & Co
DESOIL: Laundry detergent—**Cowles Chem Co**
DETAMIDE: Diethyltoluamide—**Cowles Chem Co**
►**DETERGENT; MXP:** Synthetic detergents, nonionic built—**MONSANTO CHEM CO**
DETECT-A-LEAK: Leak-detecting fluid, pressure pipe lines—Flamort Chem Co
DE-TOX: Products—Barton Chem Co
DEVOLKOLD: Cod liver oils, veterinary—**Chas L Huisking & Co**
DE-WAX-ER: Wax remover—Uncle Sam Chem Co
DEWSET: Heat dried printing ink—Fred'k H Levey Co
D-FLOX: Detergent—Essential Chems Co
DIABESTOS: Diatomite filter aids—**Great Lakes Carbon Co, Dicalite Dept**
DIAM: Diamines—**General Mills, Chem Div**
DIAMID: Cleaner—**Diamond Alkali Co**
DIANIL: Dyes, direct—**General Dyestuff Co**
DI-AQUA: Surface-active agent—**Diamond Alkali Co**
DIASAN: Bacteriastat—**H Kohnstamm & Co**
DIASTAFOR: Desizing agent—**Standard Brands, Inc**
DIASTAZYME: Diatase—Jacques Wolf & Co
DIATOL: Diethyl carbonate, 10% ethyl alcohol—FMC Corp, Chems & Plastics Div
DIAZALD: Methylnitrotoluenesulfonamide for preparation of diazomethane—**Aldrich Chem Co**
DIAZANIL: Dyes, direct—**General Dyestuff Co**
►**DIAZINE:** Developed dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**

DIAZINON: Products—Geigy Agricultural Chem Div
DIAZOPON: Dispersing agents, textile—Antara Chems Div
►**DIAZYME:** Amylo glucosidase—MILES CHEM CO
DIBACTOL: Specially formulated alkyl benzy ammonium chloride—Fine Organics
DIBESTROL: Diethyistilbestrol—Sterol Derivatives
DIBROM: Organic phosphate insecticide—Ortho Div
►**DIBS:** Accelerator—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
DICA: Pickling agent—DuBois Co
DICALITE: Products—Great Lakes Carbon Corp, Dicalite Dept
DICHLORAN: Germicide—Fine Organics
DI-CLO-PHENE: Bactericides—Essential Chem Co
DICOLUBE: Liquid chain lubricant, conveyor systems—Diversey Corp
DI-CUP: Dicumyl peroxide—Hercules Powder Co
DIE GARD: Drawing compound—Reilly-Whiteman-Walton Co
DIELDRON: Insecticides, farm, garden—Miller Products Co
DIHALO: Disinfectants—Bromine Producers Co
DIHYDRO VANILLION: Products—Florasynth Labs
D-KAL: Low-foaming acid cleaner—Pennsalt Chems Corp
DIKAL: Feed supplement—Smith-Douglass Co
►**DILAN:** Insecticide—COMMERCIAL SOLVENTS CORP
DILEINE: Gas fading inhibitors—Jacques Wolf & Co
DILU DUST: Insecticide clay—Magnet Cove Barium Corp
DILUEX; A: Clays, filler, fertilizer, insecticidal dusting, carriers & diluents—Floridin Co
DIMENSO: Enamels, industrial—Sherwin-Williams Co
DIONIN: Ethylmorphine hydrochloride—Merck Chem Div
DIPAC: Rubber accelerators—Pennsalt Chems Corp
DIPENTEK: Dipentaerythritol, technical—Heyden Newport Chem Corp
DIPENTENE 122: Terpene hydrocarbon solvents—Hercules Powder Co
►**DIPENTITE:** Ingredient in stabilizer systems for resins—HOOKER CHEM CORP, PHOSPHORUS DIV
DIPOFF: Detergent compound—Britex Corp
DIPRITE: Anti-stain for lumber—R T Vanderbilt Co
DISCOLITE: Sodium sulfoxylate formaldehyde—Royce Chem Co
DISPERSAGEN: Dispersing agent for latex paints—General Mills, Specialty Products Div
DISPERSALL: Textile dispersing agent—Royce Chem Co
DISPERSITE: Dispersions, elastomers—Naugatuck Chem Div
►**DISPERSO:** Soaps, metallic—WITCO CHEM CO
►**DISSOLVO:** Tar & road oil remover—DU PONT, FABRICS & FINISHES DEPT
DISTOLINE: Vegetable oleic acid—Woburn Chem Corp
DITHANE: Synthetic organic plant fungicide—Rohm & Haas Co
DIVERSIDE: Insecticide, liquid, odorless—Diversey Corp
DIVERSOL CX: Disinfectants & bactericide—Diversey Corp
DIXIE: Carbon black—United Carbon Co
►**DIXIE BOND:** Pentonite—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
DIXIE CLAY: Filler for rubber—R T Vanderbilt Co
DIXIE STIK: Adhesives, solvent evaporation—National Resin Oil Products
►**DIXOL:** Nitrogen solutions—COMMERCIAL SOLVENTS CORP
D-LITE: Dishwashing products, hand—DuBois Co
DOE RUN: Lead—St Joseph Lead Co
DOGEN: True fruit flavors—Dodge & Olcott
DOLCO: Imitation flavors, concentrated—Dodge & Olcott
DOLCOTT: Flavors, aroma bases—Dodge & Olcott
DOLCOTONE: Coumarin substitute—Dodge & Olcott
DOLOXIDE: Dolomitic burned lime—Moores Lime Co
►**DONUT PYRO:** Sodium pyro, acid—VICTOR CHEM WORKS
DOOR-EASE: Stainless stick lubricant—American Grease Stick Co
DORLONE: Soil fumigant—Dow Chem Co
DORMO: Oils, emulsifiable—Miller Products Co
DORTAN: Oil, metal cutting—Esso Standard Oil
DOSIX: Fruit flavors, reinforced—Dodge & Olcott
DOWANOL: Glycol ethers—Dow Chem Co
DOWEX: Resins, synthetic, ion-exchange—Dow Chem Co
DOWFAX: Surface active agent—Dow Chem Co
DOWFLAKE: Calcium chloride flake—Dow Chem Co
DOWFROTH: Froth flotation agents—Dow Chem Co
DOWFUME: Fumigants—Dow Chem Co
DOWGARD: Cooling system fluid—Dow Chem Co
DOWICIDE: Preservatives, industrial—Dow Chem Co
DOWMETAL: Magnesium alloys—Dow Chem Co
DOWNDUS: Mop treatment—Uncle Sam Chem Co
DOWPAC: Thermoplastic tower packing—Dow Chem Co
DOW-PER: Dry cleaning fluid—Dow Chem Co
DOWPON: Weed killer—Dow Chem Co
DOWTHERM: Heat transfer media—Dow Chem Co
DRAKEOL: Oil, mineral—Pennsylvania Refining Co
DRAPEX: Plasticizers—Argus Chem Corp
DRAWCOTE: Metal drawing compounds—Pennsalt Chems Corp
DRAW-TEMP: Heat treating salts—E F Houghton & Co
DREADNAUGHT: Cleaners—Diamond Alkali Co
DRENCH: Nonionic surface-active agents—Maher Color & Chem Co
DRESINATE: Emulsifiers—Hercules Powder Co
DRESINOL: Resin, dispersion—Hercules Powder Co
DREWCLAD: Permanent moth proofer—E F Drew & Co
DREW-MULSE: Monoglyceride—E F Drew & Co
►**DREX 4; 12; 16:** Vitamin concentrates—NOPCO CHEM CO
►**DRI-DIE:** Insecticide—DAVISON CHEM DIV
DRIERITE: Desiccants—W A Hammond Drierite Co
DRI-FILM: Water repellents—General Elec Co, Silicone Products
DRI-IT: Drying agent—DuBois Co
DRILLING MILK: Emulsifier for oil in water drilling—Magnet Cove Barium Corp
DRIMARENE: Fiber reactive dyes—Sandoz, Inc
DRI NON WARP: Adhesives—National Starch Products
DRI-O-BRITE: Products—Britex Corp
►**DRIOCEL:** Desiccants—MINERALS & CHEMS PHILIPP CORP
►**DRI-PAX:** Desiccant—DAVISON CHEM DIV
DRISUDZ: Laundry detergent—Cowles Chem Co
DRI-TRI: Trisodium phosphate, anhydrous—A R Maas Chem Co Div
►**DROXOL:** Dyhydric alcohol—NOPCO CHEM CO
DRUSIL; DRUSO; DRUSPIN: Textile finishers—E F Drew & Co
DRUSTAT: Anti-static agent—E F Drew & Co
DRUTERGE: Detergent—E F Drew & Co
DRYALL: Driers, paint & varnish—Chase Chem Corp
DRYCID: Powered acid descalant—Oakite Products
DRYCOL: Dry colorant for thermoplastics—Gering Plastics
DRYCON: Sizing agent, drycleaning—Wallerstein Co
DRY-FLO: Starch, free-flowing—National Starch & Chem Co
DRYFOL: Copolymer fish oils—Archer-Daniels-Midland Co
DRYLITE: Dust control compound—Cowles Chem Co
DRYMET: Sodium metasilicate, anhydrous—Cowles Chem Co
DRYON: Water repellents, textile—Crown Chem Corp
DRYORTH: Sodium orthosilicate, anhydrous—Cowles Chem Co
►**DRY SUGAR ACID:** Calcium phosphate—VICTOR CHEM WORKS
DRYTEX: Fabric softener—H Kohnstamm & Co
DRYTAIN: Paint loss-of-dry inhibitor—Raybo Chem Co
DUBAR: Bar soap—DuBois Co
DU BARS: Soap base—DuBois Co
►**DUCLEAN:** Inhibited hydrochloric, sulfuric acids—DU PONT, INDUSTRIAL & BIOCHEMS DEPT
►**DUCO:** Cement; paint—DU PONT, FABRICS & FINISHES DEPT
DUCT-FAS WHITE 89-91: Insulation adhesives—Benjamin Foster Co
DUCTIMET: Magnesium & silicon base alloys—Alloy Metal Products
►**DUET:** Fertilizer-weed killer combination—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
DU-FOAM: Detergent, synthetic—DuBois Co
DU-JET: Cleaner, liquid heavy-duty—DuBois Co
DUKES A-1: Pastes—A Adler & Son
►**DULUX:** Finishes—DU PONT, FABRICS & FINISHES DEPT
DUM DUM: Acid-, alkali-, corrosion-, water-proof coatings—Arco Co
DUN-RITE: Cleaners & detergents—Trio Chem Works
DUO-KOTE: Lubricants, metal working—Reilly-Whiteman-Walton Co
►**DUOL:** Products—DU PONT, PIGMENTS DEPT
DUOMAC: Aliphatic diamine acetates—Armour Industrial Chem Co
DUOMEEN: Diamines—Armour Industrial Chem Co
DURA BEAU: Finishes, textile—Scholler Bros
DURA-BOND: Starches, paper—National Starch & Chem Corp
DURACOR: Reinforced plastic equipment—Celicote Co
DURAFLEX: Shoe stay material—Dewey & Almy Chem Div
DURA KOTE: Cleaner—DuBois Co
DURALENE: Leather finishing agents—B B Chem Co
DURALIN: Products—Franklin Oil Corp
DURA LOOB: Rubber dispersing agent—DuBois Co
DURALUBE: Products—Franklin Oil Corp
DURAMITE: Calcium carbonate, double water classified—Thompson-Weinman & Co
DURANE: Protective coatings—Raffi & Swanson
DURAPEL: Carbon black—J M Huber Corp
DURAPLEX: Alkyd resins, enamels—Rohm & Haas Co
DUR-A-SEPTIC: Bacteriostat—Scholler Bros
DURASET: Fruit set compound—Naugatuck Chem Div
DURA-TWIST: Plant ties—Borden Chem Co
DURAWAX: Carnauba wax substitute—Cornelius Wax Refining Corp
DURITE: Synthetic resins—Borden Chem Co
DURMONT: Waxes, montan—Dura Commodities Corp
►**DUROBRITE:** Addition agent—DU PONT, ELECTROCHEMS DEPT
DUROFIX: Fixative, perfumes—Fritzsche Bros
DUROIL: Oils—Franklin Oil Corp
►**DUROL:** Acid dyes, black—ALLIED CHEM CORP, NATIONAL ANILINE DIV
DURO-LOK: Structural adhesive—National Starch & Chem Corp
DURO-TRED: Reinforced hose—Borden Chem Co
DUROXON: Waxes, Fischer-Tropsch—Dura Commodities Corp
►**DURPON:** Lubricants, metal working—NOPCO CHEM CO
DUSTMASTER: Calcium-magnesium chloride—Michigan Chem Corp
DUSTRYPP: Cleaner—DuBois Co
DUTCH BOY: Plastics materials—National Lead Co
DUTREX: Aromatic petroleum plasticizers—Shell Oil Co
►**DUXSEAL:** Insulating compounds, electric—JOHNS MANVILLE
DUZITALL: Deodorant, cleaner, sanitizer, disinfectant—Uncle Sam Chem Co
DUZ-KLEEN: Liquid detergent—Uncle Sam Chem Co
DYAL: Alkyd resins, varnishes—Sherwin-Williams Co
►**DYBAR:** Weed, brush killer—DU PONT, INDUSTRIAL & BIOCHEMS DEPT
DYBOND: Textile printing ink—Fred'k H Levey Co
DYKON: Sodium diacetate—Stein Hall & Co
►**DYLAN:** Polyethylene—KOPPERS CO, TAR PRODUCTS DIV
►**DYLENE:** Polystyrene—KOPPERS CO, TAR PRODUCTS DIV
►**DYLEX:** Latices—KOPPERS CO, TAR PRODUCTS DIV
►**DYLITE:** Expandable polystyrene—KOPPERS CO, TAR PRODUCTS DIV
DYMAL: Maleid resins, varnishes—Sherwin-Williams Co
DYMEREX: Resin—Hercules Powder Co
DYMULSFIER: Dispersing agents, textile—Maher Color & Chem Co
DYNACIDE: Herbicides—Stieh Chems
►**DYNAFOS:** Calcium phosphate, dibasic—INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV
DYNA SPREX: Cleaner—DuBois Co
DYNATEX: Nitro carbo nitrate blasting agent—Hercules Powder Co
DYPHENE: Phenolic resins, varnishes—Sherwin-Williams Co
DYPHENITE: Phenolic resins, varnishes—Sherwin-Williams Co
DYPHOS: Stabilizer, vinyl—National Lead Co
DYTHAL: Stabilizer, vinyl—National Lead Co
DYTOL: Alcohols, natural oil—Rohm & Haas Co
►**DYTROL:** Paint brush preserver—MONSANTO CHEM CO

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E-27-H: Paint solvent & stripper—Eureka Chem Co
E-35-I: Inhibitor—Eureka Chem Co
E-69-CB: Caulking compound—Eureka Chem Co
E-211-C: Metal degreasing—Eureka Chem Co
EGA: Glues—Borden Chem Co
EHC: Enzyme hydrolized casein—Amber Labs
EMC: Epoxy molding compounds—American-Marietta Co
►**EPA #1; #2:** Extreme pressure additive—ETHYL CORP
EPK: Kaolinite, aluminum silicate—Edgar Plastic Kaolin Co
E-Z-DUZ-IT: All-purpose spotter—Dixo Co
E-Z LITH: Ink—California Ink Co
►**E-Z-LOK:** High explosive—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
E-Z-STRIP 19A: Paint strippers—Pennsalt Chems Corp
E-Z-TINT: Dispersions—California Ink Co
EAGLE: Corn starch, pearl—Corn Products Co
EAGLE: Lampblack—Columbian Carbon Co
►**EASTMAN 910:** Polymerizable adhesive—EASTMAN CHEM PRODUCTS
►**EASTOFIX:** Acetate dyes—EASTMAN CHEM PRODUCTS
►**EASTONE:** Dyes, dischargeable acetate—EASTMAN CHEM PRODUCTS
►**EASTOZONE:** Rubber antiozonants—EASTMAN CHEM PRODUCTS
EASYBRITE: Detergents—Britex Corp
EBLIS: Oils, cutting—W A Wood Co
EBONITE: Cutting oils—Franklin Oil Corp
EBONOL: Metal blackening salts—Enthone, Inc
ECCO: Products—Electro Chem Co
ECLIPSE: Textile starches—A E Staley Mfg Co
ECONOBASE: Chain lubricant—DuBois Co
ECONOMY: Dry animal glue—Swift & Co, Adhesive Products Dept
ECONO-SOUR: Sours, laundry—Diamond Alkali Co
EDAMIN: Protein hydrolysate—Sheffield Chem Div
EDIFAS A: Methyl ethyl cellulose—Chemical Mfg Co
EDI-GEL: Wheat starch product—General Mills, Specialty Products Div
EDSOY: Soy bean oil—A E Staley Mfg Co
EFF-BEE: Flavors—Fritzsche Bros
EFTOXON: Waxes—Dura Commodities Corp
►**EIBERDOWN:** Soap, powdered—S B PENICK & CO
EKALINE: Wetting agents—Sandoz, Inc
EKOMO: Flavors—Fritzsche Bros
ELAN TIBET: Perfume base—Florasynth Labs
ELASTICOTE: Products—Tropical Paint Co
ELASTOMAG: Rubber grade magnesium oxide—Morton Chem Co
ELCHROME: Electrolytic chromium metal—Union Carbide Metals Co
►**ELCIDE 75TM:** Bacterial inhibitor for cutting fluids—ELI LILLY & CO, ELANCO DIV
ELDEFOAM: Latex defoamer—Foremost Food & Chem Co
ELDHYCO: Fatty acid mixtures—Foremost Food & Chem Co
ELDO: Acids; fatty acid esters—Foremost Food & Chem Co
ELECTRO-MATIC: Softeners, water—Permutit Co
ELECTROMET: Ferroalloys & pure metals—Union Carbide Metals Co
ELECTRO SILICA GEL: Products—Electro Chem Co
ELEKTRO-PURJ-IT: Solvent, metal degreasing—Diversey Corp
ELF: Carbon black, channel—Cabot Corp
ELFTEX: Carbon black, oil furnace—Cabot Corp
ELMANG: Electrolytic manganese metal—Union Carbide Metals Co
ELMER HEAD: Cleaner, thinner—Borden Chem Co

ELMER'S: Glues; Cleaners, thinners—Borden Chem Co
ELMER'S FLOOR GRIP: Non-skid rug backing—Borden Chem Co
ELPRENE: Paint products—**Atlas Chem Industries, Chems Div**
►**EL SIXTY:** Rubber accelerator—**MONSANTO CHEM CO**
►**ELVACET:** Polyvinyl acetate—**DU PONT, ELECTROCHEMS DEPT**
►**EVANOL:** Polyvinyl alcohol—**DU PONT, ELECTROCHEMS DEPT**
►**ELVAX:** Vinyl resin—**DU PONT, ELECTROCHEMS DEPT**
EMBOSET: Textile resins—Metro-Atlantic, Inc
►**EMCOL:** Surface active agents—**WITCO CHEM CO**
EMERLUBE: Non-oily textile lubricants—**Emery Industries**
EMEROX: Azelaic acid—**Emery Industries**
EMERSOFT: Textile softeners—**Emery Industries**
EMERSOL: Acids, stearic, oleic—**Emery Industries**
EMERSTAT: Anti-static agents—**Emery Industries**
EMERTERGE: Detergents—**Emery Industries**
EMFAC: Acids, pelargonic, capric, caprylic—**Emery Industries**
►**EMJEO:** Magnesium sulfate — **BERKSHIRE CHEMS INC**
EMKA: Products—Emkay Chem Co
EMOLEIN: Lubricants, synthetic—**Emery Industries**
EMPOL: Acids, dimer & trimer—**Emery Industries**
EMRALON: Resin-bonded tetrafluoroethylene—Acheson Colloids Co
EMTALL: Fatty acids, tall oil—**Emery Industries**
EMULPHOGENE: Surface active agents, nonionic—**Antara Chems Div**
EMULPHOR: Surface active agents, nonionic—**Antara Chems Div**
EMULSIFIER WHC: Products—Stepan Chem, Industrial Chems Div
EMULSITE: Oil emulsifier, drilling mud—Magnet Cove Barium Corp
EMULSOL: Fat liquors—**Diamond Alkali Co**
EMULSOWAX: For water emulsion waxes—Cornelius Wax Refining Corp
ENAMELOID: Enamels, household—**Sherwin-Williams Co**
ENBOND: Metal cleaner—Enthone, Inc
ENDITROL: Ion-exchange endpoint indicator—Permutit Co
ENDRON: Insecticides, farm, garden—Miller Products Co
ENDURA: Impregnated paper—Dewey & Almy Chem Div
ENDURO: Dry animal glue—Swift & Co, Adhesive Products Dept
►**ENJAY BUTYL:** Rubber, synthetic—**ENJAY CHEM CO**
ENNJAY: Asphalts—**Esso Standard Oil**
ENSTRIPS: Plated coating stripper—Enthone, Inc
ENTHOCOLOR: Metal oxidizer and colorer—Enthone, Inc
ENTHOL: Metal cleaner of oils, oxides—Enthone, Inc
ENTHONICS: Research service—Enthone, Inc
ENTHONITE: Poyvinyl metal coating—Enthone, Inc
ENTHOX: Chromate coater—Enthone, Inc
ENTRAPPED: Powdered flavors—**Florasynth Labs**
EPIBOND: Adhesives, epoxy—Furane Plastics
EPIC: Grease, lubricant—**Esso Standard Oil**
EPIDOL: Oils, sulfonated—Fiber Chem Corp
EPHIPHEN: Epoxide resin for glues—Borden Chem Co
EPI-CURE: Curing agent for epoxy resins—Jones-Dabney Co
EPI-REZ: Epoxy resins—Jones-Dabney Co
EPI-TEX: Epoxy resins—Jones-Dabney Co
EPI-VAR: Epoxy resins—Jones-Dabney Co
EPOCAP: Epoxy compounds—H V Hardman Co
EPOCAST: Plastics, epoxy—Furane Plastics
EPOCRETE: Concrete repair material—H V Hardman Co
EPOFILM: Epoxy coatings—Furane Plastics
►**EPOLENE:** Polyethylene products—**EASTMAN CHEM PRODUCTS**
►**EPON:** Resins—**SHELL CHEM CO**
EPOSET: Epoxy brush setting compounds—H V Hardman Co
►**ERIE:** Dyes, direct—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**ERIEFORM:** Dyes, formaldehyde after-treatment—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
ERIELASTIC: Products—Tropical Paint Co
ERIONAL: Dye reserving agent—**Geigy Dyestuffs Div**
►**ERTRANE:** Air-entraining agent, cement—**NOPCO CHEM CO**
ERUSTO BLUE 16: Laundry bluing—**Pennsalt Chems Corp**
ERUSTOCIDE: Sours, laundry—**Pennsalt Chems Corp**
ERUSTOLIN A; B: Sours, laundry—**Pennsalt Chems Corp**
ERUSTO-RAY B; C: Sours, laundry—**Pennsalt Chems Corp**
ERUSTO SALTS SPECIAL: Sours, laundry—**Pennsalt Chems Corp**
ERUSTOSOL: Sours, laundry—**Pennsalt Chems Corp**
►**ERVOL:** Mineral oil; Cosmetic chem—**SONNEBORN CHEM & REFINING CORP**
►**ERWIN:** Air ground mica—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
ESCO: Soap builder—**Cowles Chem Co**
ESCOFOS: Soap regenerator—**Cowles Chem Co**
ESCOL: Soap builder—**Cowles Chem Co**
ESCOLIN: Soap builder—**Cowles Chem Co**
ESCOLITE: Soap builder—**Cowles Chem Co**
ESCOLLOID: Soap builder—**Cowles Chem Co**
ESCOMET: Soap builder—**Cowles Chem Co**
ESCOMO: Laundry blue—**Cowles Chem Co**
►**ESCON:** Polypropylene resin—**ENJAY CHEM CO**
ESCO SAVON: Built soap—**Cowles Chem Co**
ESCOUR: Scouring powder—**Cowles Chem Co**
ES-MIN-EL: Horticultural chem—**Tennessee Corp**
ESSAR: Products—Fred'k A Stresen-Reuter Inc
ESSEX: Carbon black—**J M Huber Corp**
ESSO: Products—**Esso Standard Oil**
ESSOTANE: Gas, liquefied, petroleum—**Esso Standard Oil**
ESSTIC: Oil, lubricating—**Esso Standard Oil**
ESTERGENT: Anionic detergent—**Maher Color & Chem Co**
ESTERON: Weed killers—**Dow Chem Co**
ESTERSULF: Emulsifiers—**Maher Color & Chem Co**
►**ESTONATE:** DDT dusts, solutions—**AMERICAN POTASH & CHEM CORP**
►**ESTONMITE:** Residual ovicide—**AMERICAN POTASH & CHEM CORP**
►**ESTONOX:** Toxaphene dusts, solutions—**AMERICAN POTASH & CHEM CORP**
ESTYNOX: Plasticizers, epoxy—**Baker Castor Oil Co**
ETCHALUME: Cleaner, etchant—Enthone, Inc
ETCH-O-GRAPH: Ferric chloride solution—**Philip A Hunt Co**
►**ETHAVAN:** Flavoring aromatic agent—**MONSANTO CHEM CO**
ETHION: Insecticide—Ortho Div
ETHOCEL: Ethyl cellulose—**Dow Chem Co**
ETHODUOMEEN: Diamine-type cationic surfactants—**Armour Industrial Chem Co**
ETHOFAT: Ester-type non-ionic surfactants—**Armour Industrial Chem Co**
ETHOLAN: Water & alcohol soluble lanolin derivitive—Robinson Wagner Co
ETHOMEEN: Ethoxylated amines—**Armour Industrial Chem Co**
ETHOMID: Ethoxylated amides—**Armour Industrial Chem Co**
ETHOQUAD: Polyethoxylate quaternary ammonium compounds—**Armour Industrial Chem Co**
ETHOXANOL: Emulsifiers—**Maher Color & Chem Co**
ETHYCOL: Pigment dispersions—C J Osborn Co
►**ETHYL 701-702-703-733-720-712-736-762:** Antioxidant—**ETHYL CORP**
►**ETHYL 1-2-3-4:** Ignition control compound—**ETHYL CORP**
►**ETHYL DII:** Diesel ignition improver—**ETHYL CORP**
ETHYLAC: 2-Benzothiazyl-N, N-diethylthio carbamyl sulfide; Rubber activators & accelerators—**Pennsalt Chems Corp**
ETHYCOL: Pigment dispersions—C J Osborn Co
ETHYLAN: Alcohol- & oil-soluble lanolin—Robinson Wagner Co
EUKANOL: Finishes, leather—**Antara Chems Div**
EULAN: Finishes, textile—**Antara Chems Div**
EULAVA: Finishes, textile—**Antara Chems Div**
EULYSINE: Finishes, textile—**Antara Chems Div**
EUMERCIN: Mercerizing assistants—Warwick Chem Div
EUNAPHTHOL: Dispersing agents, textile—**Antara Chems Div**
►**EUREKA:** Soldering fluxes—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
EUREKA OIL: Perfume base—**Florasynth Labs**
►**EVANACID 3CS:** Carboxymethyimercaptosuccinic acid—**EVANS CHEMETICS**
EVERGREEN: Garden spray—**McLaughlin Gormley King Co**
EVERHOLD: Dry animal glue—Swift & Co, Adhesive Products Dept
►**EVERJET:** Paint, acid-alkali-corrosion resistant—**ALLIED CHEM CORP, PLASTICS & COAL CHEMS DIV**
EVER-KLEER: Cleaners—Essential Chems Co
►**EVERISE:** Granular sodium acid pyrophosphate—**MONSANTO CHEM CO**
EVER-TACK: Liquid glue—Swift & Co, Adhesive Products Dept
EVERTUFF: Floor finish—Uncle Sam Chem Co
EVERWEAR: Gum seal—Uncle Sam Chem Co
EXALGAE: Algacide—Inertol Co
EXCELLO: Dextrin—Corn Products Co
EXCELSIOR: Carbon black—**Columbia Carbon Co**
EXLO: Extra low carbon ferro-chromium—Vanadium Corp of America
EXOLVENT: Paint thinner—**Sherwin-Williams Co**
EXON: PVC resins, copolymers, latexes, electrical compounds—Firestone Plastics Co
►**EXO-WAX:** Dewaxing agent, paper—**NOPCO CHEM CO**
EX-RUST: Concentrated rust remover—Kano Labs
EXSIZE: Desizing agent—Pabst Brewing Co
EXSTATIC: Antiseptic antistatic agent—**Maher Color & Chem Co**
EX-TRI: Solvent—**Dow Chem Co**
EXTRUDICOTE: Paintbond, rustproof—Dextrex **Chem Industries**
EZYME: Protein digester—Pabst Brewing Co

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525 DRIHIDE: Paint mfrs' clay—**Smith Chem & Color Co**
4200: Diatomite filteraids—**Great Lakes Carbon Corp, Dicalite Dept**
►**F-11; F-12; F-13; F-13B1; F-22; F-113; F-114:** Fire extinguishing agents; Refrigerants; Propellants—**DU PONT, "FREON" PRODUCTS DIV**
►**FA:** Furfuryl alcohol—**QUAKER OATS CO**
F&B: Packaged fertilizers, insecticides, fungicides, weed killers—**Faesy & Besthoff**
FC PICKLE SALT: Tanning auxiliary—Fiber Chem Corp
FD 287: Grease cleaner—**Fine Organics**
FR 26: Flameproofing compound—**U S Borax**
F-T: Waxes, Fischer-Tropsch—**Dura Commodities Corp**
FAB: Detergents—Colgate-Palmolive Co
FABRIPEL: Water repellents, textile—Fabric Chem Co
FAMOUS: Liquid fish & photo engraving glue—Rogers Isinglass & Glue Co
FANAL: Colors, ink—**Collway Pigments**
FANOX: Oil, metal cutting—**Esso Standard Oil**
FARMEX: Explosives—Atlas Powder Co, Explosives Div
FASTBLAST: Fused aluminum oxide abrasive grain—**Exolon Co**
FAST BOND: Dyes, paper—**General Dyestuff Co**
FASTOLUX: Pigments—**Ansbacher-Siegle Corp**
FASTUSOL: Dyes, direct—**General Dyestuff Co**
FAXAM: Oil, process—**Esso Standard Oil**
FEBIS: Oil, form—**Esso Standard Oil**
FELCAFE: Imitation coffee flavor—Felton Chem Co
FELCOBUR: Imitation butter flavor—Felton Chem Co
FELCOFIX: Spray-dried flavors—Felton Chem Co
FELTAN: Microporous rubber—American Felt Co
FENCE RIDER: Herbicides—**Diamond Alkali Co**
FENSO: Oil, quenching—**Esso Standard Oil**
FERBERK: Ferbam fungicide—**Wood Ridge Chem Corp**
FERDISEAL: Marine glue, sealer—L W Ferdinand & Co
►**FERMATE:** Ferbam fungicide—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
FERMCOZYME: Glucose oxidase, catalase—Fermco Labs, Inc
FERMENTASE: Malt syrup—Pabst Brewing Co
FERMEX: Enzymes, baking supplement—Wallerstein Co
FERMOCIDE: Chemicals, agricultural—Miller Products
FERRADOW: Fungicide—**Dow Chem Co**
►**FERRICLEAR:** Ferric sulfate water purifier—**STAUFFER CHEM CO**
FERRI FLOC: Ferric sulfate; Water purification compound—**Tennessee Corp**
FERRO-SOUR: Laundry sour—**Diamond Alkali Co**
FFRRO-TERJ: Cleaner—DuBois Co
►**FERTILIS:** Lawn & garden fertilizer, mixed—**INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV**
FeSOLV: Laundry sour—**Cowles Chem Co**
Fe TRACIN: Iron chelate agricultural chem—Puget Sound Pulp & Timber Co
FIBER-SEAL: Oil well lost circulation material—Magnet Cove Barium Corp
FIBERWHITE: Brightener, fluorescent—Fiber Chem Corp
►**FIBROLAN:** Dyes, garment—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**FIBRA-FLO:** Filter aids—**JOHNS-MANVILLE**
FIBRSIZ: Wheat starch—**General Mills, Special Commodities Div**
►**FIELD CLEAN:** Weed killer—**MONSANTO CHEM CO**
►**FILMCOL:** Industrial solvent—**SHELL CHEM CO**
►**FILMEX:** Denatured alcohol solvent—**U S INDUSTRIAL CHEMS DIV**
FILMITE: Coating, alkali-proof—DuBois Co
►**FILTER-CEL:** Filter aid—**JOHNS-MANVILLE**
►**FINE TEX:** Acid sodium pyrophosphate—**VICTOR CHEM WORKS**
FINISH: Dyes, leather—**General Dyestuff Co**
►**FIRECRETE:** Cement, refractory—**JOHNS-MANVILLE**
►**FIREITE:** Cement, refractory—**JOHNS-MANVILLE**
FIREMASTER: Flameproofing compounds—**Michigan Chem Corp**
FIROX: Gun mix, refractory—**Illinois Clay Products Co**
FLAMORT: Fine retardants—Flamort Chem Co
FLAMINGO: Pigments—**Ansbacher-Siegle Corp**
FLASHDRI: Heat dried printing Ink—Fred'k H Levey Co
FLASHSET: Heat dried printing Ink—Fred'k H Levey Co
FLAT-RITE: Interior enamel undercoat—**Sherwin-Williams Co**
FLAT-TONE: Flat wall paints—**Sherwin-Williams Co**
FLAVEDOL: Flavors, fruit, natural—**Givaudan Flavors**
FLAVOPHOSPHINE: Dyes, basic—**General Dyestuff Co**
FLAVORFENE: Flavored phenothiazime—Atomic Basic Chem Corp
FLAVOR-MASTER: Vanilla fixative—V & E Kohnstamm Inc
FLAVORS OF TOMORROW: Products—**Florasynth Labs**
►**FLECTOL H:** Rubber antioxidant—**MONSANTO CHEM CO**
FLEISCHMANN'S: Yeasts; Malt syrups, extracts—**Standard Brands, Inc**
FLEX: Flexible curing agent for epoxy resins—Devcon Corp
►**FLEXAC:** Polyvinyl acetate emulsion—**AIR REDUCTION CHEM & CARBIDE CO**
FLEXALYN: Synthetic resin—**Hercules Powder Co**
►**FLEXBOND:** Polyvinyl acetate—**AIR REDUCTION CHEM & CARBIDE CO**
FLEXCEL: Ink—California Ink Co
FLEXFAS: Reinforcing filler—Benjamin Foster Co
FLEXICHEM: Stearates—**Swift & Co, General Soap Dept**
FLEXIMET: Metallic soaps—**Swift & Co, General Soap Dept**
FLEXOL: Plasticizers—**Union Carbide Chems Co**
FLEXRICIN: Acid esters, fatty; Plasticizers—**Baker Castor Oil Co**
FLEX-SOL: Flavors, bottlers—**Givaudan Flavors**
FLEXZONE: Antioxidant, antiozonant—Naugatuck Chem Div
►**FLINTFLEX:** Enamels—**DU PONT, FABRICS & FINISHES DEPT**
FLO-BRITE: Wax—DuBois Co
FLO-DYN: Explosives—Atlas Powder Co, Explosives Div
FLOINDUCER: Paint levelling agent—Raybo Chem Co
FLOKOTE: Starch, paper—National Starch & Chem Corp
FLOMAX: Stabilizer, vinyl—**National Lead Co**
FLOMET: Cerium alloyed with other metals—Alloy Metal Products

FLORA-GLO: Resilient seal & finish—Uncle Sam Chem Co
FLORCO: Fuller's earth; Absorbents, oil, grease—**Floridin Co**
FLORENE: Odorant—**Sinder Corp**
FLORENCE: Zinc oxide—New Jersey Zinc Co
FLORESSENCE: Products—**Florasynth Labs**
FLOREX: Fuller's earth; Adsorbent—**Floridin Co**
FLORIGEL: Clays, colloid—**Floridin Co**
FLORISIL: Adsorbent, analytical—**Floridin Co**
FLORITE: Bauxite; Adsorbents—**Floridin Co**
FLORITE DESICCANT: Desiccant; Bauxite; Catalyst support—**Floridin Co**
FLOR-GLO: Floor waxes—Fuld Bros
FLORWEAR: Coatings, chem resistant—Inertol Co
FLO-SHYNE: Polyethylene wax—Woodbury Chem Co
FLOW: Foaming agent—DuBois Co
►**FLOWZENE:** Mineral oil; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
FLOXAID: Antibiotic & vitamin veterinary preparation—**Merck Chem Div**
FLOZAN: Light-weight granular soda ash—**Diamond Alkali Co**
FLUID FILM: Drawing compound—Northwest Chem Co
FLUID FILM: Corrosion control; rust preventatives; water proofing—Eureka Chem Co
FLUID FILM M: Wood preservative—Eureka Chem Co
FLUIDEX: Water flood additives—Tretolite Co Div
FLUOREL: Elastomer—Minnesota Mining & Mfg Co, Chem Div
FLUORINSE: Whitening agents—**Maher Color & Chem Co**
FLUORITE: Fluorspar—Minerva Co, Fluorspar Div
FLUOROL: Dyes; Lacquer; Varnish—**General Dyestuff Co**
►**FLUOROLUBE:** Fluorocarbon lubricants—**HOOKER CHEM CORP**
►**FLUOROSOL:** Bleaches, optical—**ALLIED CHEM CORP, NATONAL ANILINE DIV**
FLUSHEX: Chemical sump fluid—Rhodia, Inc
FLY-RO-CIDE: Spray base, fly—Miller Products Co
FOAMAR DEFOAMAR: Defoamer—**Argus Chem Corp**
►**FOAMASOL:** Air entraining agents—**ONYX CHEM CORP**
FOAMSEAL 30-45: Joint sealer—Benjamin Foster Co
FOAMWILT: All-weather defoamant—**Fine Organics**
►**FOLEX:** Cotton defoliant—**VIRGINIA-CAROLINA CHEM CORP**
FOLIONE: Methyl heating carbonate—**Givaudan-Delawanna**
FOLROSIA: Perfume chems—**Givaudan-Delawanna**
►**FOMREX:** Polyester, urethane foams—**WITCO CHEM CO**
►**FONOLINE:** Petrolatum—**SONNEBORN CHEM & REFINING CORP**
FORAM BA: Nontoxic Insecticides—Uncle Sam Chem Co
FORBAN: Perfume base—**Florasynth Labs**
FOREMUL: Emulsifiers, Insecticide; Polyethylene glycol oleate—Jacques Wolf & Co
FORM A PLUG: Time setting clay, oil wells—Magnet Cove Barium Corp
FORMASET: Urea F Resins—Warwick Chem Div
►**FORMCEL:** Formaldehyde in alcohols—**CELANESE CHEM CO**
FORMOPON: Sodium sulfoxylate formaldehyde—**Rohm & Haas Co**
FORMVAR: Polyvinyl formal resins, emulsions, solutions & spray-dried powders—**Shawinigan Resins Corp**
FORON: Dyes, synthetic fibers—Sandoz, Inc
►**FORTEX:** Microcrystalline, hard & plastic—**WARWICK WAX DIV**
►**FORTICEL:** Plastics, cellulose propionate—**CELANESE POLYMER CO**
►**FORTIFLEX:** Linear polyolefin—**CELANESE POLYMER CO**
FOSBOND: Coatings, corrosion control—**Pennsalt Chems Corp**
FOSCOAT: Corrosion control coatings—**Pennsalt Chems Corp**
►**FOSFODRIL:** Sodium tetraphosphate—**FMC CORP, MINERAL PRODUCTS DIV**
FOSRINSE: Coatings, corrosion control—**Pennsalt Chems Corp**
FOSSILITE: Diatomite—**L A Salomon & Bro**
►**FOTOCOL:** Proprietary alcohol solvent—**COMMERCIAL SOLVENTS CORP**
FOUNDREZ: Resins—Reichhold Chems, Inc
FOXHEAD: Corn starch, pearl—Corn Products Co
►**FRANKOBASE:** Odorless thinners—**SONNEBORN CHEM & REFINING CORP**
FREE-FLO: Bicarbonate, soda—**Diamond Alkali Co**
►**FREEZENE:** Mineral oils; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
FREFLO: Sulfur, agricultural—Miller Products Co
►**FREON:** Fluorocarbons, solvents—**DU PONT, "FREON" PRODUCTS DIV**
►**FREON-11; 12; 13; 13B1; 14; 22; 112; 113; 114; 114B2; C-318:** Fire extinguishing agents; Propellants; Refrigerants—**DU PONT, "FREON" PRODUCTS DIV**
FREZALL: Dry Ice—Spencer Chem Co
FRIGIDOL: Lubricant, extreme-pressure—G Whitfield Richards
FRITZBRO: Flavors—**Fritzsche Bros**
FRUIT-FREEZE: Ascorbic acid—**Merck Chem Div**
FRUIT-FRESH: Ascorbic acid—**Merck Chem Div**
FRUITOSYNTH: Flavors—**Florasynth Labs**
FRUTABS: Fructose tablets—**Pfanstiehl Labs**
FUELKLEEN: Fuel oil conditioner—Sumco Products
FUELTONE; X-10: Fuel oil conditioners & sludge solvents—Ampion Corp
FULDICIDE: Disinfectants—Fuld Bros
FULL-FILL: Cooling system fluid—**Dow Chem Co**
FULSHINE: Cleaners, floor—Fuld Bros
FUMAZONE: Soil fumigant—**Dow Chem Co**
FUMIGRAIN: Insecticides, farm, garden—Miller Products Co
FUMILENE: Insecticides, farm, garden—Miller Products Co
FUMISEED: Insecticides, farm, garden—Miller Products Co
FUMISPRA: Insecticides, farm, garden—Miller Products Co
FUMITOX: Insecticides, farm, garden—Miller Products Co
FUNGIZYME: Bates, tanning—Jacques Wolf & Co
►**FURAFIL:** Filler, plastic—**QUAKER OATS CO**
FURALAC: Acidproof cements—**Pennsalt Chems Corp**
FURATONE: Mortars, resins—Minnesota Mining & Mfg Co, Chem Div
FURNEX: Carbon black—**Columbian Carbon Co**
FUSITE: Dead burned refractory dolomite—Ohio Lime Co
►**FYBRENE:** Petrolatum—**SONNEBORN CHEM & REFINING CORP**
FYREMORTAR: Cements, refractory—Quigley Co
►**FYREX:** Flameproofing compounds—**VICTOR CHEM WORKS**

G

►**G:** Sodium silicate—**PHILADELPHIA QUARTZ CO**
G-4: Dichlorophene—**Sindar Corp**
G-11: Hexachlorophene—**Sindar Corp**
►**G-942:** Tanning agent—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
GAF: Carbonyl iron powders—**Antara Chems Div**
►**GBS:** Sodium bisulfate—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
GMK: Manual cleaner—**Pennsalt Chems Corp**
GM-30: Pregelatinized wheat starch—**General Mills, Specialty Products Div**
GAFAC: Phosphate ester surfactants—**Antara Chems Div**
GALACTASOL: Water soluble guar gum—**General Mills, Specialty Products Div**
GALEX: Rosin, disproportionated—National Rosin Oil Products
GALLICIDE: Fungicide, slimicide—Guard Chem Corp
GALLOSAN; TS: Slimicide—Guard Chem Corp
GALLOTOX: Seed fungicide—Guard Chem Corp
GALVANOX: Zinc rich coating—Subox, Inc
GALVINOLEUM: Coatings, galvanized metals aluminum—Rust-Oleum Corp
GAMACO: Calcium carbonate filler—**Georgia Marble Co**
GAMADUSTO: Insecticides, farm, graden—Miller Products Co
GAMASPRA: Insecticides, farm, garden—Miller Products Co
►**GAMMANOL:** Emulsifiers—**NOPCO CHEM CO**
GARALEASE: Release agent, films—Garan Chem Corp
GARDANTHROL: Aromatic specialty chems—**Dow Chem Co**
GARDUSTO: Insecticides, farm, garden—Miller Products Co
GARLON: Herbicide—**Dow Chem Co**
GAROX: Peroxides—Garan Chem Corp
GAS-CHROM: Gas chromatography support—**Applied Science Labs**
GASTEX: Carbon black, gas furnace—**Cabot Corp**
GELAMITE: Dynamite—**Hercules Powder Co**
►**GELATINASE:** Protease enzyme—**MILES CHEM CO**
GELCARIN: Irish moss extract—Marine Colloids, Inc
GELLOID: Carrageen—Jacques Wolf & Co
GELODYN: Explosives—Atlas Powder Co, Explosives Div
GELVA: Polyvinyl acetate resins—**Shawinigan Resins Corp**
GELVATOL: Polyvinyl acetate resins—**Shawinigan Resins Corp**
GENACRYL: Dyes, synthetic fibers—**General Dyestuff Co**
GENAMID: Resins, amino-amide—**General Mills, Chem Div**
GENEPOXY: Epoxy resins—**General Mills, Chem Div**
►**GENESOLO:** Fluorinated solvents—**ALLIED CHEM CORP, GENERAL CHEM DIV**
►**GENETRON:** Fluorinated hydrocarbon refrigerants & propellants—**ALLIED CHEM CORP, GENERAL CHEM DIV**
GEN-FLO: Latices—General Tire & Rubber Co, Chem Div
►**GENITE:** Miticide—**ALLIED CHEM CORP, GENERAL CHEM DIV**
GENMAG: Magnesium oxide—General Magnesite & Magnesia Div
GEN-PRO: Untoasted soy protein—**General Mills, Specialty Products Div**
GEN-SOY: Industrial soy protein—**General Mills, Specialty Products Div**
GEN-TAC: Latices, vinyl pyridine—General Tire & Rubber Co, Chem Div
GENTHANE: Polyurethane rubber—General Tire & Rubber Co, Chem Div
GENTRO: Synthetic rubber—General Tire & Rubber Co, Chem Div
GENTRO JET: Black masterbatch—General Tire & Rubber Co, Chem Div
►**GEOGEL:** High explosive—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
GEON: Polyvinyl materials—B F Goodrich Chem Co
GEORGIANIER: Cellulose—Rayonier, Inc
GERANIDAR: Artificial geranium oil—**Florasynth Labs**
GERANOL: Dyes, basic—**General Dyestuff Co**
GERM-I-TOL: Germicide—**Fine Organics**
GERMALL: Disinfectant—**Uncle Sam Chem Co**
GERMANTOWN: Lampblack—**Columbian Carbon Co**
GER-PAK: Polyethylene sheeting & drum carton lines—**Gering Plastics**
GIANITE: Blasting agent—Atlas Powder Co, Explosives Div
GIBB: Gibberellic acid—United-Heckathorn
GIB-GRO: Gibbarellin growth substance—Miller Products Co
GIBREL: Gibberellic acid plant growth aid—**Merck Chem Div**
GILSULATE: Insulation—American Gilsonite Co
GIVCO: Perfume bases—**Givaudan-Delawanna**
GIVCONENTAL BLEND: Flavors, fruit natural—**Givaduan Flavors**
GLASS GLOW: Detergent compound—Britex Corp
GLASS MOULD AID: Mould lubricant—E F Houghton & Co
GLIT: Glass & plastic cleaner—Kano Labs
GLOBE: Corn starch—Corn Products Co
GLOBLAK: Dispersion—**Columbian Carbon Co**
GLO-BRITE: Polishing compounds—B R Elk & Co
GLOBRITE: Products—Globe Chem Co
►**GLOMAX:** Calcined clay—**GEORGIA KAOLIN CO**
►**GLORIA:** Mineral oil; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
GLOSET: Printing Ink—Fred'k & Levey Co
GLOSSYLAN: Lanolin anhydrous—Malmstrom Chem Corp
GLO-ZIP: Floor waxes—Fuld Bros
GLU-BEEDS: Adhesive pellets—**Burtonite Co**
GLUMASTER: Flexible glue—Swift & Co, Adhesive Products Dept
GLUMENT: Glue—Swift & Co, Adhesive Products Dept
GLYCAMIDE: Coccidiostat, feed use—**Merck Chem Div**
GLYCOL: Air sanitizer—Uncle Sam Chem Co
GLYCONEATS: Leather treater—E F Houghton & Co
GLYDAG: Colloidal graphite in glycerine—Acheson Colloids Co
GLYECINE: Solvents, dye—**Antara Chems Div**
GLY-KETOL: Products—Fries Bros
GLYKON: Polyester resin—General Tire & Rubber Co
GOLD BOND: Lime products—National Gypsum Co
►**GOLD SHIELD:** Molasses alcohol—**COMMERCIAL SOLVENTS CORP**
GOLDEN HARVEST: Agricultural chems—Chapman Chem
GOOD-RITE: Products—B F Goodrich Chem Co
GOOSE LAKE: Clay, coating—Illinois Clay Products
GRANADA GREEN: Phthalocyanine green lakes—Standard Ultramarine & Color Co
GRANSIZE: Textile starches—A E Staley Mfg Co
►**GRANULAR ATTACLAY:** Insecticide carrier, diluents—**MINERALS & CHEMS PHILIPP CORP OF AMERICA**
GRAPHANODE: Graphite anodes—Stackpole Carbon Co
GRAPHIDONE: Photographic developing agent—**Philip A Hunt Co**
GRAPHIDOX NO 4: Products—Vanadium Corp of America
GRAPHITONE: Dye, anilinlen—**Geigy Dyestuffs Div**
GRAPHOL: Photographic developing agent—**Philip A Hunt Co**
GRAPOSYNTH: Flavors—**Florasynth Labs**
GRASOL: Dyes, solvent soluble—**Geigy Dyestuffs Div**
►**GRAVINOL:** Oil, brominated—**ABBOTT LABS**
GRAVITOL: Oils, brominated—Sterol Derivatives
GREEN BAG: Cement, mortar—**Pittsburgh Coke & Chem Co**
GREEN 'N' KLEEN: Fertilizer mixes; Weed killer—Miller Products Co
►**GREENEVILLE:** Roofing mica—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
GREENZ 26: Plant growth stimulant—Crown Zellerbach Corp
GREX: Polyolefins—W R Grace & Co, Polymer Chem Div
►**GRIFFCO:** Polyvinyl acetate emulsion—**NOPCO CHEM CO**
►**GRIFFIN:** Plasticizers—**NOPCO CHEM CO**
GRIPCLAD: Chemical-resistant finishes—**Sherwin-Williams Co**
GRIPLATE: Paint, metal primers—**Sherwin-Williams Co**
GRIPTITE: Dry animal glue—Swift & Co, Adhesive Products Dept
GRUNDITE: Clays—Illinois Clay Products Co
►**GUANTAL:** Rubber accelerator activator—**MONSANTO CHEM CO**
GUARTEC: Water soluble guar gum, Industrial grade—**General Mills, Specialty Products Div**
GUM-KOTE: Gum, liquid— Lox Mfg Co
GUYANDOT RED: Chlorinated lithol rubine & chlorinated para, homogenous mixtures—Standard Ultramarine & Color Co
GYCOFIX: Fixing agent, direct dyes—**Geigy Dyestuffs Div**
GYCOLAN DYES: Acid—**Geigy Dyestuffs Div**
GLYCOLUCE: Dyes, disperse—**Geigy Dyestuffs Div**

H

H-32: Hydrazine activated core solder—**Fairmount Chem Co**
►**HB 20:** Partially hydrogenated alkarylhydro carbon—**MONSANTO CHEM CO**

►**HB 40:** Partially hydrogenated tarphenyl—**MONSANTO CHEM CO**
HC BONE BLACK: Solid carburizer—E F Houghton & Co
►**HCA:** Hexachloroacetone—**ALLIED CHEM CORP, GENERAL CHEM DIV**
HCR: Cation exchange resin—Nalco Chem Co
HCR-W: Cation exchange resin—Nalco Chem Co
HDR: Cation exchange resin—Nalco Chem Co
HF: Acidproof cements—**Pennsalt Chems Co**
HGR: Cation exchange resin—Nalco Chem Co
H G X: Mercury decontaminant—Stieh Chems
H I MASTIC 90-7: Protective coating—Benjamin Foster Co
HIS: Laundry starch—**Hercules Powder Co**
H-K BLEACH: Bleach—**H Kohnstamm & Co**
H-SERIES FLUX: Non-corrosive flux—**Fairmount Chem Co**
HSM: Hemisulfur mustard—Bordon Chem Co
HSP: Enzyme hydrolized soy protein—Amber Labs
►**H T:** Clays, coatings—**MINERALS & CHEMS PHILIPP CORP**
HTH: Calcium hypochlorite for water treatment, bleaching, disinfecting—**Olin Mathieson Chem Corp**
►**HT-44; 440:** Enzymes, thermostable amylase—**MILES CHEM CO**
HT-144; 145; 146: Chelating agents—Rayonier Inc
HT-120: Intermediates—Rayonier Inc
►**HT-CONCENTRATE:** Enzyme, thermostable concentrated amylase—**MILES CHEM CO**
►**HT-PROTEOLYTIC:** Enzyme, protease—**MILES CHEM CO**
HVP: Hydrolized vegetable proteins—**Hercules Powder Co**
HW SOAKER ALKALI: Cleaners, bottle—**Diamond Alkali Co**
HXV: Cotton linters pulp—**Hercules Powder Co**
HAGAFILM: Filming amines—**Hagan Chems & Controls**
►**HALANE:** Dichlorodimethyl hydantoin—**WYANDOTTE CHEMS CORP**
HALLCOMIDS: Fatty amide substitutes—C P Hall Co
HALLMARK: Tapioca flour, potato starch, natural gums, wheat starch, sago flour, albumin, adhesives—**Stein Hall & Co**
►**HALON:** Thermoplastic fluorocarbon resins—**ALLIED CHEM CORP, GENERAL CHEM DIV**
HAMP-ENE; HAMP-EX; HAMP-OL: Chelating, sequestering agent—Hampshire Chem Corp
HANDI-CAN: Refrigerants—**Pennsalt Chems Corp**
HANDIP: Detergent compound—Britex Corp
HANSA: Hansa yellow—**Collway Pigments**
HAPEX: Epoxy compounds—Hastings Plastics
HAPOL: Polyester compounds—Hastings Plastics
HAPHEN: Phenolic compound—Hastings Plastics
HARCHEMEX: Primary fatty alchohols, C-14, C-16—**Harchem Div, Wallace & Tiernan, Inc**
HARDNOX ALKALI: Cleaners, bottle—**Diamond Alkali Co**
HARDSET: Cements, setting paint brushes—H V Hardman Co
HARFLEX 300; 325; 375; 500: Plasticizers, polymerized—**Harchem Div, Wallace & Tiernan Inc**
HARMON: Colors—B F Goodrich Chem Co
HARTOCIDE: Permanent mothproofing agent—Hart Products Corp
HARTOSET: Thermosetting textile resins—Hart Products Corp
HARVEST GIANT; L/AN: Fertilizers, ammonium nitrate; limed ammonium nitrate—Alabama By-Products Corp
HARVESTMOON: Waxes, floor—Essential Chem Co
HATCOL: Products—**Hatco Chem Div**
HATHANE: Polyurethane foam—Hastings Plastics
HAV-A-CUP: Polystyrene containers—Haveg Industries
HAV-A-TRAY: Melamine containers—Haveg Industries
HEAVY DUTY: Solvent, metal degreasing—Diversey Corp
HELINDON: Dyes, vat—**General Dyestuff Co**
HELIO: Dyes, vat—**Collway Pigments**
HELIOGEN: Dyes, vat—**Collway Pigments**
HELIOLINE: White vegetable oleic acid—**Woburn Chem Corp**
►**HELLITE:** Cement, refractory—**JOHNS-MANVILLE**
►**HENNIG PURIFIER:** Sodas, modified—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
HENROX: Inhibited acid—J F Henry Chem Co
HEN'S TEETH: Poultry grit—**Georgia Marble Co**
HEPTEEN: Accelerator rubber—**Naugatuck Chem Div**
HEPTEEN BASE: Products—Naugatuck Chem Div
HEPTODUSTO: Insecticides, farm, garden—Miller Products Co
HEPTOSPRA: Insecticides, farm, garden—Miller Products Co
HEPZIDE: Nithiazide poultry medication—**Merck Chem Div**
HERBISAN 5: Herbicide—**Roberts Chems, Inc**
HERCO: Smokeless powder—**Hercules Powder Co**
HERCOFLEX: Plasticizers—**Hercules Powder Co**
HERCOGEL: Dynamite—**Hercules Powder Co**
HERCOL: Dynamite—**Hercules Powder Co**
HERCOLYN: Esters of rosin—**Hercules Powder Co**
HERCOMITE: Dynamite—**Hercules Powder Co**
HERCOSOL: Fiber-treating compound—**Hercules Powder Co**
HERCULES: Dry animal glue—Swift & Co, Adhesive Products Div
HERCULITE: Dynamite—**Hercules Powder Co**
HERCULOID: Nitrocellulose—**Hercules Powder Co**
HERECROL: Synthetic rubber—Heresite & Chem Co
HERMATITE: Liquid glue—Swift & Co, Adhesive Products Dept
HERO: Adhesives—Morningstar-Paisley, Inc
HERPOCO: Fertilizer—**Hercules Powder Co**
►**HET:** Chlorendic diol—**HOOKER CHEM CORP, PHOSPHORUS DIV**
►**HET ACID:** Chlorendic acid—**HOOKER CHEM CORP**
►**HET ANHYDRIDE:** Chlorendic anhydride—**HOOKER CHEM CORP**
HETROFOAM: Foam materials—Durea Plastics Div
HETRON: Resins, polyester—Durez Plastics Div
HEXACHROME: Tanning material, chrome—Fiber Chem Corp
►**HEXAGON:** Cologne grain spirits—**COMMERCIAL SOLVENTS CORP**
►**HEXALIN:** Cyclohexanol—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**HEXAMIC ACID:** Products—**ABBOTT LABS**
►**HEXAPHOS:** Sodium hexa-m-phosphate—**FMC CORP, MINERAL PRODUCTS DIV**
HEXOGEN: Products—Advance Solvents & Chem Div
HIBA: α-hydroxy isobutyric acid—Escambia Chem Corp
HIBIAK: Dispersion—**Columbian Carbon Co**
HICOLOR: Cellulose, Wood—Rayonier, Inc
►**HI D:** Ammonium nitrate fertilizer, granular—**COMMERCIAL SOLVENTS CORP**
HIDACRHOME: Dyes, mordant—**Hilton-Davis Chem Co Div**
HIDACID: Dyes, acid—**Hilton-Davis Chem Co Div**
HIDACO: Dyes, basic—**Hilton Davis Chem Co Div**
HID-A-MARK: Stencil coating—Krylon Inc
►**HI-DRY:** Tetraethylene glycol—**JEFFERSON CHEM CO**
HIAF-X: High-density polyethylenes—**Hercules Powder Co**
HI-GEE: Heavy liquid—National Biochem Co
►**HIGH SPEED:** Tinning flux—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
HIGH YIELD: Drilling mud clay—Magnet Cove Barium Corp
HILASTIC 60-99: Protective coating—Benjamin Foster Co
HI-SOL: Reducer—Potter Paint Co
HILTAMINE: Brighteners, fluorescent—**Hilton Davis Chem Co Div**
HILTASPERSE: Colors, pigments—**Hilton-Davis Chem Co Div**
HILTAZENE: Dyes, azoic—**Hilton-Davis Chem Co Div**
HILTONAPHTHOL: Dyes, azoic—**Hilton-Davis Chem Co Div**
HILTONE: Pigments, textile—**Hilton-Davis Chem Co Div**
HILTONIL: Dyes, azoic—**Hilton-Davis Chem Co Div**
HILTOSAL: Diazo salts—**Hilton-Davis Chem Co Div**
HINAC: Metal coatings—**Pennsalt Chems Corp**
HI POINT 180: Mekperoxide, high flash point—U S Peroxygen Corp
HIPPO: Hide glue, liquid—Swift & Co, Adhesive Products Dept
►**HI-SIL:** Amorphous silica—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
HI-SPEED: Cleaners—**Diamond Alkali Co**
►**HITEC:** Heat transfer salt—**DU PONT, EXPLOSIVES DEPT**
HITEMP: Smokeless powder—**Hercules Powder Co**
HITEMPITE: Refractory cements—Quigley Co
HI-TEST ALKALI: Cleaners, bottle—**Diamond Alkali Co**
HI-TEMP: High temperature lubricants—E F Houghton & Co
HI-TRI: Solvent—**Dow Chem Co**
HIVEL: Smokeless powder—**Hercules Powder Co**
HI-VIZ: Fluorescent paint—Lawter Chems
HI-VOL: Vital wheat gluten—Keever Starch Co
HI-WHITE: Clays, filler—**J M Huber Corp**
HOCUT: Metal working lubricants—E F Houghton & Co
►**HOOKER WHITE:** Muriatic acid—**HOOKER CHEM CORP**
HORIZO: Cleaner—**Diamond Alkali Co**
HORMOESTER: Weed killers—Miller Products Co
HORMOIL: Weed killers—Miller Products Co
HORMOKIL: Weed killers—Miller Products Co
HORMOSALT: Weed killers—Miller Products Co
HORMOTOX: Weed killers—Miller Products Co
HORSE HEAD: Products—New Jersey Zinc Co
HOUGHTO-CLEAN: Cleaners—E F Houghton & Co
HOUGHTO-DRAW: Metal working lubricants—E F Houghton & Co
HOUGHTO-GRIND: Grinding fluid—E F Houghton & Co
HOUGHTO-QUENCH: Quenching oil—E F Houghton & Co
HOUGHTO-SOLV: Sludge solvent—E F Houghton & Co
HOUGHTO-SIZE-WAX: Sizing compounds—E F Houghton & Co
HOUPOID: Extreme pressure oils—E F Houghton & Co
HUMI-CARD; -PAX; -PLUG; -SORB; -TABS: Humidity indicators, desiccants volatile corrosion inhibitors—Culligan, Inc
HUO: Liquid adhesive—Borden Chem Co
HURRICLEAN: Steam cleaning gun—Oakite Products
HURRY-OFF: Wetting agent—Essential Chems Co
HUVASOL: Paint & lacquer solvents, thinners—Hukill Chem Corp
HYAL: Plastic refractory—Quigley Co
HYAMINE: Bactericides & disinfectants, synthetic organic—**Rohm & Haas Co**
►**HYBASE:** Barium sulfonate—**BRYTON CHEM CO**
►**HYBASE M-300:** Magnesium sulfonate—**BRYTON CHEM CO**
►**HYBASE C-300:** Calcium sulfonate—**BRYTON CHEM CO**
HYCAR: Rubber, synthetic—B F Goodrich Chem Co
HY-CASE: Protein hydrolysate—**Sheffield Chem Div**
HYCHOL: Lanolin, high cholestrol—Robinson Wagner Co
HYCRYL: Latex thickening agent—U B S Chem Corp
►**HYDAN:** Feed supplement—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
HYDRAFIL: Clays, washed—**J M Huber Corp**
HYDRAFINE: Clays, coating—**J M Huber Corp**
HYDRALASE: Enxymes; Diastase—Jacques Wolf & Co
HYDRASPERSE: Clays, coating—**J M Huber Corp**
HYDRATEX: Clays, coating—**J M Huber Corp**
HYDRATITE: Adhesives—National Starch & Chem Corp
HYDRHOLAC: Lacquer emulsions, leather finishing—**Rohm & Haas Co**
►**HYDRITE:** Particle size extender—**GEORGIA KAOLIN CO**
HYDROBREAK: Detergent—**Diamond Alkali Co**
HYDROCAL: Gypsum cements—United States Gypsum Co
►**HYDROCARB:** Drilling mud conditioner—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
HYDROCURE: Waterproof coating for use as masonry sealer—Borden Chem Co
HYDRO-DRIVE: Hydraulic oils—E F Houghton & Co
HYDRO-FLAKES: Adhesive—National Starch & Chem Corp
HYDROFOL: Fatty acids; Glycerides; Heat transfer media—Archer-Daniels-Midland Co
HYDROGEL: Silica—AIC Chem Co
►**HYDROL:** Cyclohexanone—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
HYDROLATE: Soap builders—**Diamond Alkali Co**
HYDROLENE: Leather finishing agents—B B Chem Co
HYDROLUBRIC: Additive for water hydraulic systems—E F Houghton & Co
HYROLUX: Vat-printing assistant—Warwick Chem Div
HYDRON: Dyes, sulfur—**General Dyestuff Co**
HYDROPOL: Hydrogenated polymers—**Phillips Petroleum Co, Special Products Div**
►**HYDROTAN:** Drilling mud conditioner—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
HYDROXANIL: Developers, dyeing—**Maher Color & Chem Co**
HYDROZIN: Zinc sulfoxylate formaldehyde—Jacques Wolf & Co
HYFAC: Acids, fatty; Hydrogenated fats—**Emery Industries**
►**HYFLO:** Filter aid—**JOHNS-MANVILLE**
►**HYFORM:** Emulsions—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**HYGROMIX R:** Swine anthelmintic feed additive—**ELI LILLY & CO, ELANCO DIV**
►**HYLENE:** Isocyanate, organic—**DU PONT, ELASTOMERS DEPT**
►**HYONIC:** Detergent bases—**NOPCO CHEM CO**
►**HYPALON:** Synthetic rubber—**DU PONT, ELASTOMERS DEPT**
HYPOWR: Extra high test gelatin—J O Whitten Co, Inc
HY-POW'R'D: Cleaner—DuBois Co
HYPRIN: Hydroxypropyl glycerine—**Dow Chem Co**
HYPROSE: Hydroxypropyl sucrose—**Dow Chem Co**
HYSOL: Dyes, inks, plastics—**Patents Chems**
►**HY-SORB:** Absorbents, oil & grease—**JOHNS-MANVILLE**
HYSORB: Absorbent finish for synthetic fibers—Scholler Bros
HY-TEN: Core oil—E F Houghton & Co
HY-TEX: Detergent—Barton Chem Co
HYTHERM: Dyes, inks, plastics—**Patent Chems**
►**HYTROL:** Cyclohexanone—**DU PONT, POLYCHEMS DEPT**
HYWAX 120: Hydrogenated sperm oil—Werner G Smith, Inc

I

IC: Products—Interchem Corp, Finishes Div
IGE: Graphite anodes for electrolytic purposes—International Graphite & Electrode Div
INORP: Heparin—**Alvares-Terner Corp**
IPC: Insecticide—**FAIRFIELD CHEMS DIV**
IRN: Magnetic materials—**C K Williams & Co**
ICHTHYMALL: Ichthammol—**Mallinckrodt Chem Works**
ICHTHYNAT: Ichthammol, N F—Heyden Newport Chem Corp
IGENAL: Dyes, leather—**General Dyestuff Co**
IGEPAL: Surface active agents, nonionic—**Antara Chems Div**
IGEPON: Surface active agents, anionic—**Antara Chems Div**
IMIBAR: Products—Industrial Minerals, Inc
IMIBEST: Barytes—Industrial Minerals, Inc
IMINCO: Ground barytes—Industrial Minerals, Inc
IMMEDIAL: Dyes, sulfur—**General Dyestuff Co**
IMPAD: Pigment pad dyeing concentrate—Imperial Color Chem & Paper Corp
IMPAX: Non-ionic detergent—**H Kohstamm & Co**
►**IMPEDEX:** Sodium propionate—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
IMPERIAL: Adhesives—Dacar Chem Products Co
IMPERSE: Aqueous pigment dispersion—Imperial Color Chem & Paper Corp
IMPERVO: Adhesives—National Starch & Chem Corp
IMPLEX: Acrylic resin molding power—**Rohm & Haas Co**
IMPREGNOLE: Water repellents—Warwick Chem Div
IMPRINT: Pigment printing concentrate—Imperial Color Chem & Paper Dept
►**IMPROVAL 20; 33:** Inhibitors, transformer oil, gasoline—**KOPPERS CO, TAR PRODUCTS DIV**
INCELOID: Adhesives, lacquers, plastics—American Products Mfg Co
INCO: Products—International Nickel Co
INCOLOY: Nickel-iron chromium alloy—International Nickel Co
INCONEL: Nickel-chromium alloy—International Nickel Co
INDACO: Glues, pastes—Industrial Adhesive Co

INDALLOY: Solders; Alloys; Pellets; Foil—Indium Corp of America
INDANTHRENE: Dyes, vat—**General Dyestuff Co**
INDICARB: Carbon dioxide absorbents, indicating—**Fisher Scientific Co**
INDO CARBON: Sulphur dyes—**General Dyestuff Co**
INDOPOL: Polybutenes—**Amoco Chems Corp**
INDRALATUM: Petroleum wax—**Industrial Raw Materials Corp**
INDULIN: Alkali lignin—W Va Pulp & Paper Co, Polychems Div
INDUSOIL: Distilled tall oil—W Va Pulp & Paper Co, Industrial Chem Sales Div
INERTOL PRIMER 621; 622; 626: Paints, metal primers—Inertol Co
INTEROL PRIMER 623-625: Paints, wood primers—Intertol Co
INERTOL TYPE S: Paint, metal primers—Intertol Co
INFRA: Dyes, vat—**General Dyestuff Co**
INKOWAX: For printing inks—Cornelius Wax Refining Corp
INK-SAV: Antiskinning agent, ink—**Ames Labs**
INOCULOY: Products—Vanadium Corp of America
INSA-LUTE: Adhesive, ceramic-type cement—Sauereisen Cements Co
INSECTISOL: Insecticide base—Pennsylvania Refining Co
INSTANT JEL: Starch, food—National Starch & Chem Corp
INSTANT LOK: Adhesive—National Starch & Chem Corp
INSULAG: Insulation materials—Quigley Co
INSULFAS 60; 40: Spray coating, fire-resistant—Benjamin Foster Co
►**INSULKOTE:** Coatings, corrosion-control—**JOHNS-MANVILLE**
INSUL-MASTIC: Protective coatings—**Pittsburgh Coke & Chem Co**
INSULORIP: Adhesive for installation of insulating material—Borden Chem Co
INSULOXIDE: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co
INTERLOX: Metal cleaner—Northwest Chem Co
INTERPLASTICS: Thermoplastic molding powders—Interplastics Corp
INTRACOL: Cationic, emulsifying, surface-active agents—**Synthetic Chems**
INTRAMINES: Surface active agents—**Synthetic Chems**
INVIN: Stabilizers, vinyl—**National Lead Co**
I O BRITE: Idophor—Britex Corp
IODOTE: Iodophor—DuBois Co
IOFLOW: Potassium iodide mixture—**Mallinckrodt Chem Works**
IOKEL: Detergent & sanitizer—**Diamond Alkali Co**
IOMAG: Potassium iodide mixture—**Mallinckrodt Chem Works**
IONAC: Water conditioning equipment—Permutit Co
ION KOTE: Coatings, phosphate—DuBois Co
►**IONOL:** Antioxidant—**SHELL CHEM CO**
►**IOSOL:** Solvent soluble dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
IRGALAN: Dyes, acid—**Geigy Dyestuffs Div**
IRGAMINE: Softener—**Geigy Dyestuffs Div**
IRGANOL: Dyes, acid—**Geigy Dyestuffs Div**
IRGASAN: Bacteriostatic agent—Geigy Industrial Chems
IRGASOL: Dyeing assistant-leveling—**Geigy Dyestuffs Div**
IRISOL: Dyes, acid—**General Dyestuff Co**
IRISONE: Methylionine—**Givaudan-Delawanna**
ISOFOAM: Urethane resin—Isocyanate Products
ISOLINE: Dehydrated castor oil—Woburn Chem Corp
ISOLITE: Polyester resins—Schenectady Varnish Co
ISOMELT: Polyurethane wire enamel—Schenectady Varnish Co
ISONEL: Polyester insulating varnish, wire enamel—Schenectady Varnish Co
►**ISOPALM:** Isopropylpalmitate—**WILSON-MARTIN (DIV WILSON & CO)**
ISOPLAST: Depolymerized rubber—Rubber & Asbestos Corp
ISOPROL: Weed killers—Miller Products Co
ISOPROPYLAN: Isopropyl ester of lanolin—Robinson Wagner Co
►**ISOSEBACIC ACID:** Intermediate synthetic materials—**U S INDUSTRIAL CHEM DIV**
ISOTEIN: 100% protein product—**General Mills, Specialty Products Div**
ISOSTYRE: Styrenated dehydrated castor oil—Woburn Chem Corp
ISOTRON: Propellents & refrigerants—**Pennsalt Chems Corp**
ISOTRON 11: Trichloromonofluoromethane—**Pennsalt Chems Corp**
ISOTRON 12: Dichlorodifluoromethane—**Pennsalt Chem Corp**
ISOTRON 13: Chlorotrifluoromethane—**Pennsalt Chems Corp**
ISOTRON 22: Chlorodifluoromethane—**Pennsalt Chems Corp**
ISOTRON 113: Trichlorotrifluoroethane—**Pennsalt Chems Corp**
ISOTRON 114: Dichlorotetrafluoroethane—**Pennsalt Chems Corp**
IVO: Bone black—**Columbian Carbon Co**

J

J-324: Waxes, Fischer-Tropsch—**Dura Commodities Corp**
JC-60: Jointing compound—Atlas Mineral Products Co
JACK FROST: Glass etching compounds—McKay Chem Co
JAGUAR: Guar gum—**Stein Hall & Co**
JAIPUR: Indian talc—**Whittaker, Clark & Daniels**
JASMONIS: Perfume base—**Givaudan-Delawanna**
JAVOLLAL: Oil substitutes, citronella—**Fritzsche Bros**
►**JAYLAC:** Petroleum resin—**ENJAY CHEM CO**
►**JAYLENE:** Olefins—**ENJAY CHEM CO**
►**JAYSOL:** Proprietary solvent—**ENJAY CHEM CO**
JEL-OIL: Drilling mud—Magnet Cove Barium Corp
JEL-O-MER: Resins, alkyd—Alkydol Labs
JET: Metal cleaner—Northwest Chem Co
JET: Gilsonite selects, high mp—G S Ziegler & Co
JET-KOTE: Coatings, protective—Furane Plastics
JET MILLED: Pigments—**Mineral Pigments Corp**
JIFFIX: Fixer, photographic—**Mallinckrodt Chem Works**
JUST: Cleaners; Polish; Disinfectants; Wax—Fuld Bros
JUST-LITE BAG: Packaged charcoal briquets—Collier Carbon & Chem Corp
►**JUVENON:** Soil retardant—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**

K

K-LAC: Sodium caseinate—A Adler & Son
►**K-PLUS:** Potassium sulfate—**INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEM DIV**
KOP: Quicklime—United States Gypsum Co
KADOX: Zinc oxide—**New Jersey Zinc Co**
KALITE: Calcium carbonate—**Diamond Alkali Co**
KALMAC: Calcium carbonate filler, surface treated—**Georgia Marble Co**
KALYE: Cleaner, metal—**Rumford Chem Works**
►**KAM:** Phosphated caustic soda—**FMC CORP, CHLOR-ALKALI DIV**
KANEX: High explosive—**Hercules Powder Co**
KANITE: Nitro carbo nitrate—**Hercules Powder Co**
KAOCOTE: Fertilizer conditioner & filler—Southeastern Clay Co
KAOLEX: Clays, ceramics—**J M Huber Corp**
KAOLLOID: Clay, rubbermakers—Thompson-Wienman & Co
KAPSOL: Plasticizers, resin—FMC Corp, Chem & Plastics Div
KARASPRA: Chemicals, agricultural—Miller Products Co
KARBATE: Impervious carbon and graphite—National Carbon Co
►**KARMEX:** Diuron weed killers—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**KASIL:** Postassium silicate—**PHILADELPHIA QUARTZ CO**
KATANOL: Mordants, textile—**Antara Chems Div**
KATAPOL: Surface active agents, cationic—**Antara Chems Div**
KATAPONE: Inhibitors, corrosion—**Antara Chems Div**
KATA-PONTEX: Coating, epoxy resin—Inertol Co
KATIGEN: Dyes, sulfur—**General Dyestuff Co**
►**KAYDOL:** Mineral oil; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
KELACID: Purified alginic acid—Kelco Co
KELCOSOL: Sodium alginate, high viscosity—Kelco Co
KEL-F: Thermoplastics; Elastomers—Minnesota Mining & Mfg Co, Chem Div
KELGIN: Sodium alginate, medium viscosity—Kelco Co
KELGIN XL: Sodium alginate, low viscosity—Kelco Co
KELLEY ISLAND: Lime, hydrated—Cutler-Magner Co
KELMAR: Postassium alginate—Kelco Co
KELO FORM: Surface anaesthetic—Fries Bros
KELSIZELV: Sodium alginate, low viscosity—Kelco Co
KELSIZES: Sodium alginate, medium grade—Kelco Co
KELTEX: Sodium alginate, high viscosity—Kelco Co
KELTHANE: Agricultural miticide—**Rohm & Haas Co**
KELTOSE: Ammonium-calcium alginate—Kelco Co
KEM: Paints, enamels, lacquers—**Sherwin-Williams Co**
KEM GLO: Enamels, household—**Sherwin-Williams Co**
KEM LUSTRAL: Enamels, industrial—**Sherwin-Williams Co**
KEMIDOL: Hydroated lime, quicklime—United States Gypsum Co
KEMIKAL: Hydrated lime, quicklime—United States Gypsum Co
KEM-O-DRY: Cleaning & drying solvent—Detrex Chem Industries
KEMPORE: Blowing agent—National Polychems
KEMVAR: Varnishes, furniture—**Sherwin-Williams Co**
KENFLEX A; L; N: Resins; Rubber compounding materials—Kenrich Petrochems
KENPLAST RD; RDN: Oils; Plasticizers; Resins—Kenrich Petrochems
►**KEPONE:** Broad spectrum insecticide—**ALLIED CHEM CORP, GENERAL CHEM DIV**
KERATOL: Textile chem—Fiber Chem Corp
KERODOR: Odorant—**Sindar Corp**
KEROSCENT: Odorant—**Sindar Corp**
KEROZONE: Odorant—**Sindar Corp**
KESCO: Food grade wheat starches, glutens—Keever Starch Co
KESSCO: Surface active agents; Plasticizers—**Kessler Chem Co**
KESSCOFLEX: Plasticizers—**Kessler Chem Co**
KETAC: Resin, adhesives—American Cyanamid Co, Plastics & Resins Div
KETONA: Anhydrous & aqua ammonia—Alabama By-Products Corp
KETOSOL: Solvent—**Union Carbide Chem Co**
KEY SAN C-50: Dimethyl-coco-Benzyl ammonium chloride quaternary for use in germicides—Key Chem Corp
►**KEYSTONE GELATIN:** Photographic, pharmaceutical, technical & edible—**AMERICAN AGRICULTURAL CHEM CO**
KIEROLE: Kier assistants—Warwick Chem Div
KILASTAT: Antisatic agents—**Maher Color & Chem Co**
►**KILMAG:** Fly, maggot killer—**ALLIED CHEM CORP, GENERAL CHEM DIV**
KILSPRAY: Aeresol insecticide—Uncle Sam Chem Co
KING KLING: Liquid glue—Swift & Co, Adhesive Products Dept
►**KLENROL:** Soldering flux, crystal—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**KLEAROL:** Mineral oil; Cosmetic chems—**SONNEBORN CHEM & REFINING CORP**
KLEENFLO: Activated clay—**L A Salomon & Bro**
KLEEN GLASS: Glass cleaner— Uncle Sam Chem Co
KLEEN SPOT: Spot cleaner—Uncle Sam Chem Co
KLEER-BRITE: Safety floor finish—Uncle Sam Chem Co
KLENARIN: Cleaners—Fiber Chem Corp
KLEX: Soaps—Colgate-Palmolive Co
►**KLOBEN:** Neburon weed killer—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**KLONDYKE;** Clays, filler—**MINERALS & CHEMS PHILIPP CORP**
KLOR-O-BRITE: Detergent sanitizer—Britex Corp
KLOR-O-KLEEN: Detergent sanitizer—Britex Corp
KLORO KOL: Cleaner—DuBois Co
KLOR-O-SUDS: Products—Britex Corp
►**KLOTOGEN F:** Menadione sodium bisulfite—**ABBOTT LABS**
KNOX-OUT: Insecticides, farm, home, garden—**Pennsalt Chems Corp**
KO-BLEND I S: Sulfur masterbatch, insoluble—General Tire & Rubber Co, Chem Div
KOBOND: Starch adhesive, corrugating—National Starch & Chem Corp
►**KOKOBACE:** Soap bases, liquid—**NOPCO CHEM CO**
KOL: Cleaner—DuBois Co
KOLDEX: Dextrins—A E Staley Mfg Co
KOLLAMINE: Dye assistants—**Antara Chems Div**
►**KONA 4-F:** Feldspar—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
KONDO: Dough conditioner for bread baking—Wallerstein Co
►**KONRITE:** Oils, textile—**NOPCO CHEM CO**
KONTOL: Corrosion inhibitor, rust preventatives—Tretolite Co Div
KOOL-A-BRADE: Metal cleaner—Northwest Chem Co
KOPOL: Copals, congo—Reichhold Chems, Inc
KORLAN: Fly killer—**Dow Chem Co**
KOROLITE: Enamels—United Wallpaper, Inc
KOROPON: Coatings, chem resistant—United Wallpaper, Inc
KOROX-R: Metal brightener—**J F Henry Chem Co**
KOSMOS: Carbon black—United Carbon Co
KRAFTONE: Flexographic paper inks—Claremont Pigment Dispersion Corp
KRALAC: Synthetic resins—Naugatuck Chem Div
KRALASTIC: Thermoplastic materials—**Naugatuck** Chem Div
KRENE: Vinyl film & sheeting—Union Carbide Plastics Co
KROILER: Squirt gun—Kano Labs
KROMAD: Fungicides, turf—**Mallinckrodt Chem Works**
KROMA REDS: Iron oxides, red—**C K Williams & Co**
KROMFAX: Thiodiethylene glycol—**Union Carbide Chems Co**
KROMIK: Paint, metal primers—**Sherwin-Williams Co**
KROMOID: Leather treating compound—**Diamond Alkali Co**
KRONISOL: Plasticizers—FMC Corp, Chems & Plastics Div
KRONITEX: Plasticizers, vinyl—FMC Corp, Chems & Plastics Div
KRUMBHAAR: Synthetic resins—Lawter Chems
KRYLON: Coatings; Enamels—Krylon, Inc
KRYOCIDE: Insecticide bases, natural—**Pennsalt Chems Corp**
KRYOLITH: Cryolite, natural—**Pennsalt Chems Corp**
KUPLEX: Gum Inhibitors—Tretolite Co Div
KURE-BLEND MT: Tetramethyl thiuram disulfide, masterbatch—General Tire & Rubber Co, Chem Div
KURON: Weed killer—**Dow Chem Co**
KUTLUBE: Products—Franklin Oil Corp
KUTWELL: Oil, metal cutting—**Esso Standard Oil**
KWIK KLAMP: Adhesive—National Starch & Chem Corp
KYMENE: Wet-strength resins—**Hercules Powder Co**
►**KRYAX:** Polyvinylester wax—**AIR REDUCTION CHEM & CARBIDE CO**

L

LNA: Naphthanil diazo blue—Borden Chem Co
L 6: Liquid detergent—Guard Chem Corp
L-7: Protective coating—American Grease Stick Co
LABRO BRITE-WOOL: Detergent—Britex Corp

LAC-1-R 296; R446: Research chems, gas chromotography liquid phase—Cambridge Industries Co
LACTARIN: Carrageen & giratina extracts — Marine Colloids, Inc
LAFAYETTE: Lubricants—**American Oil & Supply Co**
LAGFAS B1-42W: Insulation lagging adhesive—Benjamin Foster Co
LAGTONE: Protective coating—Benjamin Foster Co
LAGZ: Adhesives—West Chester Chem Co
LAKERSOLV: Thinners—Potter Paint Co
LAKTANE: Solvents—**Esso Standard Oil**
LAMINAC: Polyester resins—American Cyanamid Co, Plastics & Resins Div
LANAFIN: Products—Standard Chem Products
►**LANAMID:** Metalized dyes, neutral—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
LANAMIDE: Lanolic acid amide—Robinson Wagner Co
LANAMINE: Lanolic acid amine compound—Robinson Wagner Co
►**LANASET:** Resins—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
LANASYN: Dyes—Sandoz, Inc
LANATERGE: Detergents, nonionic—**Maher Color & Chem Co**
LANOALGINE: Pharmaceutical grade alginic acid—Edward Mendell Co
LANFRAX: Wax, lanolin—Malmstrom Chem Corp
LANFRAX-WS 55: Wax, lanolin—Malmstrom Chem Corp
LANOCERIN: Lanolin, wax—Robinson Wagner Co
LANOCHOL: Lanolin alcohols—Robinson Wagner Co
LANOGEL: Water soluble lanolin—Robinson Wagner Co
LANOGENE: Oil soluble liquid lanolin—Robinson Wagner Co
LANOLIZE: Finishes, textiles, softener—Scholler Bros
LANOLUBRIC: Wool lubricant—E F Houghton & Co
LANOMAL: Lanolin soap, powdered—Malmstrom Chem Corp
LANOSOL: Lanolin, colloidal suspension—Robinson Wagner Co
LANSCO: Dry colors & dispersions—Landers-Segal Color Co
LANTOX: Water soluble lanolin—Lanaetex Products
LANTROLAWS: Oil, lanolin—Malmstrom Chem Corp
LANUM: Lanolin—**Merck Chem Div**
LAPIX: Hot top insulator—E F Houghton & Co
LAQURIZER: Acrylic lacquer emulsion—**Dura Commodities Corp**
LATEX LUBE: Lubricants, rubber—DuBois Co
►**LATHANOL:** Detergents; Foaming agent—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
LATRICRETE: Flexibilized concrete—**Naugatuck Chem Div**
LAUNTEX: Laundry detergent—**Cowles Chem Co**
LAUREX: Accelerator, rubber—Naugatuck Chem Div
LAURINE: Hydroxicitronellal—**Givaudan-Delawanna**
►**LAUXEIN:** Adhesives—**MONSANTO CHEM CO**
►**LAUXITE:** Adhesives—**MONSANTO CHEM CO**
LAVEPON: Scouring agent, nonionic—**Rohm & Haas Co**
LAVINORE: Synthetic manganese dioxide—**E J Lavino & Co**
LAWNTONE: Fertilizer, mixes—Miller Products Co
LEADEX: E P grease—**Esso Standard Oil**
LEADLEAF: Metallic lead pigment, flaked—Metalead Products Corp
LEADSTAR: Stabilizer, vinyl—**National Lead Co**
LEAK LOCK: Joint sealing compound—Highside Chem
LEATHER-FLOC: Leather fibers; lost circulation, oil-wells—Magnet Cove Barium Corp
LEATHERLUBRIC: Tanners, oils, greases—E F Houghton & Co
LECO: Chemical analysis apparatus—Laboratory Equipment Corp
LECTRO: Stabilizer, vinyl—**National Lead Co**
LEFKO: Metallic soaps—Leffingwell Chem Co
LEFKOWELD: Epoxy adhesives—Leffingwell Chem Co
LEHIGH: Zinc oxide—New Jersey Zinc Co
LEMAC: Polyvinyl acetate—Borden Chem Co
LEMASIE: Water- & alkali-soluble synthetic resins—Borden Chem Co
LEMOFLEX: Internally plasticized polyvinyl alcohol—Borden Chem Co
LEMOL: Polyvinyl alcohol—Borden Chem Co
LEONIL: Leveling agent, textile—**Antara Chems Div**
LESTAE: Germicidal soap—**H Kohnstamm & Co**
LESTARE: Bleach—Lestoil Products
LESTOIL: Detergent, dispersants, wetting agents, emulsifier, penetrant—Lestoil Products
LETHANE: Insecticide concentrates, synthetic organic —**Rohm & Haas Co**
LEUCOPHOR: Whitening agents—Sandoz, Inc
LEUKANOL: Tanning agent, synthetic—**Rohm & Haas Co**
LEVECOL: Pigments—Fred'k H Levey Co
LEVELTEX: Leveling agents, textile—**Maher Color & Chem Co**
LEVOL B: Leveling agent—**Dura Commodities Corp**
LEWIS: Sodium hydroxide—**Pennsalt Chems Corp**
LEWISOL: Synthetic resins—**Hercules Powder Co**
LEXAN: Polycarbonate resin—General Elec Co, Chem Materials Dept
►**LIGNASAN:** Fungicide—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
LIGNEX: Lingo sulfonate—**Baroid Div, National Lead Co**
LIGNOCOL: Agent, anti-skinning; Antioxidant—Heyden Newport Chem Corp
LIGNOSITE: Products—Puget Sound Pulp & Timber Co
LIGNYL ACETATE: Aromatic chem—Shulton Inc
LILAS FLEURS VII: Perfume base—**Givaudan-Delawanna**
LILIAL: Perfume chem—**Givaudan-Delawanna**
LIMELITE: Sequestering agents—**Oakite Products**
LIMOID: Delomitic pressure hydrated lime—Warner Co
LINDANO: Insecticides, farm, garden—Miller Products Co
►**LINDOL:** Tricresyl phosphate—**CELANESE CHEM CO**
►**LINDSITE:** Optical polishing products—**LINDSAY CHEM DIV**
LINDUSTO: Insecticides, farm, garden—Miller Products Co
LINENFIXE: Laundry sour—**H Kohnstamm & Co**
LINE RIDER: Herbicides—**Diamond Alkali Co**
►**LINORESINATE:** Driers for paint, varnish, printing ink—**HARSHAW CHEM CO**
LIN-X: Varnishes—**Sherwin-Williams Co**
►**LION BONDITE:** Asphalt adhesive—**MONSANTO CHEM CO**
LION BRAND: All products—Manhattan Adhesives Corp
►**LION MULTI-TEMP:** Lubricating oils—**MONSANTO CHEM CO**
►**LION; LION NATURALUBE:** Fertilizers; Oils, Lubricating—**MONSANTO CHEM CO**
►**LION NOKORODE:** Rust-proof coatings—**MONSANTO CHEM CO**
LIQRENE: Crude tall oil—W Va Pulp & Paper Co, Industrial Chem Sales Div
LIQUIBOR: Brake fluids—**U S BORAX**
LIQUID: Compressed gasses—Liquid Carbonic Div, General Dynamics Corp
LIQUID HEAT: Heat treating salts—E F Houghton & Co
LIQUI-DET: Liquid multi-purpose detergent—Oakite Products
LIQUID ENVELOPE: Protective coatings—**Better Finishes & Coatings**
LIQUIDOX: Liquefied oxygen—Liquid Carbonic Div, General Dynamics Corp
LIQUIFLOW: Liquefied Carbon dioxide—Liquid Carbonic Div, General Dynamics Corp
LIQUIFOAM: Foaming liquids for ceramics, refractories—Mearl Chem Corp
LIQUIFLUOR: Liquid scintillator concentrate—Pilot Chems, Inc
LIQUILAN: Liquid lanolin ester compound—Robinson Wagner Co
LIQUI LUBE: Dispersing agent, rubber; Lubricants, rubber mold—DuBois Co
LITHOTONE: Developer, photographic—**Mallinckrodt Chem Works**
LOAD-LOK: Adhesives—National Starch & Chem Corp
LO-BAX: Calcium hypochlorite for dairy, food, beverage fields—**Olin Mathieson Chem Corp**
LOCK-EASE: Graphited lock fluid—American Grease Stick Co
LO-FAT: Soybean flour—A E Staley Mfg Co
LOMAR: Dispersing agents; Suspension agents—Jacques Wolf & Co
LOOB: Lubricants; Plastics—DuBois Co
LOOBASE: Soap bases—DuBois Co
►**LOROL:** Fatty alcohols—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
LOROTHIDOL: Products—Winthrop Labs
LOTOL: Compounded latices—Naugatuck Chem Div
LOUPOLE: Textile boil-off assistants—Jacques Wolf & Co
LOXITE: Elastomeric adhesives—Firestone Plastics Co
LOXON: Masonry coating—**Sherwin-Williams Co**
LOX-SEAL: Cement, liquid—Lox Mfg Co
LOX-STIX: Glue, solidified—Lox Mfg Co
LUBARS: Soap bases—DuBois Co
LUB-BASE: Mixed fatty acids—**Armour Industrial Chems Co**
LUBE-A-TUBE: Drawing lubricant—G Whitfield Richards
LUBE-KOTE: Graphite—Magnet Cove Barium Corp
LUBE WELL: Cutting, drawing lubricant—G Whitfield Richards
LUBREX: Mold lubricant—**Harwick Standard Chem Co**
LUBRICIN: Additives, lubricant—**Baker Castor Oil Co**
LUBRI-FLO: Mold lubricant—**Harwick Standard Chem Co**
LUBRO: Drawing lubricant—G Whitfield Richards
LUCIDOL: Benzoyl peroxide—**Lucidol Div, Wallace & Tiernan Inc**
►**LUCITE:** Acrylic resin—**DU PONT, POLYCHEMS DEPT**
LUDIGOL: Kier assistants—**Antara Chems Div**
►**LUDOX:** Colloidal silicas—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
LUMBERCURE: Seasoning agent for lumber—R T Vanderbilt Co
LUMICREASE: Dyes, direct—Sandoz, Inc
LUMIGRAPHIC: Fluorescent color—Imperial Color Chem & Paper Dept
LUMINITE: Refractory cement—Universal Atlas Cement Co
LUPAR: Products—Beacon Chem Industries
LUPERCO: Organic peroxide compounds—**Lucidol Div, Wallace & Tiernan Inc**
LUPEROX: Organic peroxide pastes—**Lucidol Div, Wallace & Tiernan Inc**
LUPERSOL: Organic peroxide solutions—**Lucidol Div, Wallace & Tiernan Inc**
LUPHITE: High speed lubricant—Kano Labs
LUPOGUM: Sizes; Locust bean gum—Jacques Wolf & Co
LUPONIN: Textile agents—Jacques Wolf & Co
LUPOSOL: Resin & gum dispersions—Jacques Wolf & Co
LUREX: Metallic yarn—**Dow Chem Co**
►**LUCITE:** Acrylic resin—**DU PONT, ELECTROCHEMS DEPT**
LUSTAN: Lubricant, glass mold—**Esso Standard Oil**
LUSTAWAX: Leather finishing agents—B B Chem Co
LUSTERFIXE: Laundry sour—**H Kohnstamm & Co**
LUSTRAL: Enamels—**Sherwin-Williams Co**
LUSTRALITE: Products—**Globe Chem Co**
►**LUSTRAN:** Super-strength polystyrene—**MONSANTO CHEM CO**
LUSTRA-SHEEN: Leather finishing agents—B B Chem Co
LUSTRASOL: Acrylic, acrylic modified, alkyd solutions—Reichhold Chems, Inc
LUSTRENE: Floor finishes—**Chemical Compounding Corp**
►**LUSTREX:** Polystyrene—**MONSANTO CHEM CO**
LUSTRONE: Lacquers, leather finishing—**Rohm & Haas Co**
LUSTROX M: Glass polish—**Titanium Zirconium Co**
LUXANTHRENE: Dyes, vat—**H P Rossiger & Co**
LUXOLENE: Vegetable triglyceride—E F Drew & Co
LYAMINE: Nutritional supplement for animal & poultry feed—**Merck Chem Div**
LYCEDAN: Adenosine-5-phosphoric acid—Schwarz Bio-Research
LYCOID: Paper additive—**Stein Hall & Co**
LYKOPON: Sodium hydrosulfite—**Rohm & Haas Co**
LYOGEN: Leveling agents, textile—Sandoz, Inc
►**LYTRON:** Plastics, synthetic—**MONSANTO CHEM CO**

M

3M: Iron chrome oxides—Minnesota Mining & Mfg Co, Chem Div
►**M-B-C:** Fumigant—**AMERICAN POTASH & CHEM CORP**
MCP: Citrus pectins—Colyer Co
M D A: Methylene disalicylic acid, technical—**Heyden Newport Chem Corp**
MGK: Products—**McLaughlin Gormley King Co**
MH: Plant growth inhibitor—Naugatuck Chem Div
►**MHA:** Methionine hydroxy analog—**MONSANTO CHEM CO**
►**MLA MOTOR MIX:** Antiknock compound—**ETHYL CORP**
ML-22: Methyl linoleates—Pacific Vegetable Oil Corp
M-P-A: Thixotropic thickening suspension, anti-floating agent—**Baker Castor Oil Co**
MPF: Multi-purpose soybean food—**General Mills, Specialty Products Div**
►**MPS-500:** Plasticizer, polyvinyl—**HOOKER CHEM CORP**
MpT: Methyl para-toluate—**Hercules Powder Co**
MSS 32; Inhibited acid—**J F Henry Co**
MACALOID: Beneficiated hectorite, colloidal magnesium clay—Inerto Co
MAGCOBAR: Barite—Magnet Cove Barium Corp
MAGCOGEL: Bentonite—Magnet Cove Barium Corp
MAGCONATE: Emulsifier drilling mud—Magnet Cove Barium Corp
MAGCOPHOS: Phosphate drilling mud chem—Magnet Cove Barium Corp
MAG-LI-KOTE: Burned dolomite—Moores Lime Co
MAGLITE: Magnesium oxide—**Merck Marine Magnesium Div**
MAGMASTER: Magnesium oxide—**Michigan Chem Corp**
MAGNA: Citrus oils & imitation flavors—Magnus, Mabee & Reynard
MAGNADOR: Liquid space deodorants—Magnus, Mabee & Reynard
MAGNAGLOSS: Solvent, high gloss flexo ink system—Claremont Pigment Dispersion Corp
MAGNAMIX: Pigment dispersing agent—Raybo Chem Co
MAGNESOL: Adsorbent—Waverly Chem Co
MAGRON: Vegetable maturant—**Dow Chem Co**
MAINTZ: Architectural caulking compound; Protective coatings—West Chester Chem Co
MAKON: Products—Stepan Chem Co, Industrial Chems Div
MALADUSTO: Insecticides, farm, garden—Miller Products Co
►**MALAPHOS:** Malathion dusts, solutions—**AMERICAN POTASH & CHEM CORP**
MALASPRA: Insecticides, farm, garden—Miller Products Co
MALLORY EXTRA: Waterproof finishes—Textile Proofers
MALLORY PRUF: Waterproof finishes—Textile Proofers
MAMORONECK REFINED: Waxes, vegetable—M Argueso & Co
MANNOGAL: Products—Morningstar-Paisley, Inc
MANTEMP: Exothermine ferromanganese—Union Carbide Metals Co
►**MANZATE:** Maneb fungicide: **DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
MAPICO: Iron oxide, colors—**Columbian Carbon Co**
MAPLEARONE: Products—**Florasynth Labs**
►**MAPROFIX:** Lauryl sulphates—**ONYX CHEM CORP**
MARACARB: Products—Marathon Div
MARACELL: Water treating chems—Marathon Div
MARACON: Dispersing agents, cement—Marathon Div
MARAFOAM: Polyurethane foam resins—Marblette Corp
MARAGLAS: Epoxy resin, clear—Marblette Corp
MARASET: Epoxy resin—Marblette Corp
MARASPERSE: Lignosulfonates, dispersants & emulsion stabilizers—Marathon Div
MARATAN: Tanning extracts—Marathon Div
MARAWOOD: Carvable epoxy resin—Marblette Corp
MARBL-GLEEM: Polish—Uncle Sam Chem Co
MARCALEAK: Leak detector—**Maher Color & Chem Co**
MARCAMIDE; MARCAMINE: Detergent bases—**Maher Color & Chem Co**
MARCANOL: Boil-off compounds—**Maher Color & Chem Co**
MARCANON; MARCATION: Softeners, anionic; cationic —**Maher Color & Chem Co**
►**MARCO:** Resins, polyester—**CELANESE POLYMER CO**

MARCOCIDE: Softeners, textile—**Maher Color & Chem Co**
MARCO: Defoamers; Emulsifiers; Finishes—**Maher Color & Chem Co**
MARCO FAST LIQ COLORS: Colors, soap—**Maher Color & Chem Co**
MARCOFLOUR: Optical bleaches—**Maher Color & Chem Co**
MARCOGUM; MARCOJEL: Sizing, thickening, coating agents—**Maher Color & Chem Co**
MARCOLENE: Wetting agents—**Maher Color & Chem Co**
MARCOLUBE: Textile thread lubricants—**Maher Color & Chem Co**
MARCOMUL: Emulsifiers—**Maher Color & Chem Co**
MARCOPEL: Water repellents, textile—**Maher Color & Chem Co**
MARCOPEN: Penetrating agents, leather—**Maher Color & Chem Co**
MARCOQUAT: Antiseptic softeners—**Maher Color & Chem Co**
MARCORSEIN: Sizing agent—**Maher Color & Chem Co**
MARCOSEPT: Fungicides, leather, textile—**Maher Color & Chem Co**
MARCOSOLV: Fulling, leveling agents—**Maher Color & Chem Co**
MARCOTERGE: Scouring compounds, textile—**Maher Color & Chem Co**
MARCOWET: Wetting agents—**Maher Color & Chem Co**
MAREX: Ammonium alginate, low viscosity—Kelco Co
MARFLEX: Glue—Swift & Co, Adhesive Products Dept
MARHARD: Paint marproofing agent—Raybo Chem Co
MARINCATE: Magnesium trisilicate—**Merck Marine Magnesium Div**
MARINCO: Magnesium oxides, hydroxides, carbonates—**Merck Marine Magnesium Div**
MARK: Stabilizers—**Argus Chem Corp**
►**MARLATE:** Insecticides—**DU PONT INDUSTRIAL & BIOCHEMS DEPT**
MARLEX 50: Polyethylene—Phillips Chem Co
MAR-TEMP: Heat treating salts—E F Houghton & Co
MARVAL-DRI: Textile water repellents—Finetex Inc
MARVIBOND: Plastic-metal laminate—Naugatuck Chem Div
MARVINOL: Resins, polyvinyl chloride—Naugatuck Chem Div
MASKROME: Masking salts—Fiber Chem Corp
MASTOLYN: Synthetic resins—**Hercules Powder Co**
MAXILON: Dyes, basic—**Geigy Dyestuffs Div**
MAXIPRINT: Universal, one-solvent, flexo ink system—Claremont Pigment Dispersion Corp
MAYPON: Products—Maywood Chem Works, Div Stepan Chem Co
MAYVAT: Dyes—Otto B May
McLUBE: Molybdenum disulfide & graphite lubricants—McGee Chem Co, Inc
MEARLCRETE: Foaming liquids for lightweight concretes—Mearl Chem Corp
MEARLIN: Emulsifiers, surfactants—Mearl Chem Corp
MEARLITE: Non-lead synthetic pearl pigment—**Mearl Corp**
MEARLMAID: Pearl essence, natural—**Mearl Corp**
MECADIUM: Cadmium mercury red—Imperial Color Chem & Paper Dept
MEDIALAN: Surface-active agents—**Antara Chems Div**
MEELIUM: Chemical deodorant—Prentiss Drug & Chem Co
►**MEI-WEI-FEN:** Sodium glutamate—**INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV**
►**MEKON:** Microcrystalline, hard & brittle—**WARWICK WAX DIV**
MELAQUA MELAMINE: Acrylic coating resin—American Cyanamid Co, Plastics & Resins Div
MELEINE: Gas fading inhibitors—Jacques Wolf & Co
MELLENE: Flavor enhancer—**Fritzsche Bros**
►**MELLO-GREEN:** Lawn & garden fertilizer mixed—**INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV**
MELLOTONE: Flavor enhancer—**Fritzsche Bros**
MELOJEL: Starches, food—National Starch & Chem Corp
►**MELOSTRENGTH:** Melamine-formaldehyde resin—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
►**MELSAN:** Fungicides—**DU PONT INDUSTRIAL & BIOCHEMS DEPT**
MELTOPAX: Sodium zirconium silicate—Titanium Alloy Mfg Div, National Lead Co
MELURAC: Resin adhesives—American Cyanamid Co, Plastics & Resins Div
MEMA: Seed disinfectant—Chipman Chem Co
MEND-ALL: Wood-plastic; Glue; Cement—Gill Chem Products
MENTOR: Oil, absorption—**Esso Standard Oil**
MENTOR: Detergents—Colgate-Palmolive Co
MERAC: Rubber accelerators, compounding materials—**Pennsalt Chems Corp**
MEROC: Mildew preventive paints—**W A Cleary Corp**
MERCATE: Antioxidants—**Merck Chem Div**
MERIT: Pharmaceutial grade wheat germ oil—**General Mills, Specialty Products Div**
MERLON: Polycarbonate resin—Mobay Chem Co
MERLUM: Aluminum hydroxide USP & paste—**Merck Marine Magnesium Div**
MER-MADE: Fertilizer, liquid & mixed—Gray Chem
MERRILLITE: Zinc dust—**Chemical & Pigment Co**
►**MERSIZE:** Paper size—**MONSANTO CHEM CO**
►**MERTONE:** Blueprint, pretreatment—**MONSANTO CHEM CO**
►**MERTAX:** Rubber accelerator—**MONSANTO CHEM CO**
MERSYNATE: Slimicide—Guard Chem Corp
METAB: Acid base & metallochromic indicator tablets—**Fisher Scientific Co**
METAFOS: Sodium hexametaphosphate—**Rumford Chem Works**
METALATE: Laundry chem—**Diamond Alkali Co**
►**METALLAC:** Zinc stearate—**NOPCO CHEM CO**
METALSOL: Fungicides & bactericides—**Metalsalts Corp**
METALUX: Silver polish—Uncle Sam Chem Co
METALYN: Methyl esters of tall oil—**Hercules Powder Co**
METASAN: Fungicide paint—**Metalsalts Corp**
►**METASAP:** Metallic soaps—**NOPCO CHEM CO**
META-SOL 57: Paint additive—**Metalsalts Corp**
►**METAVIS:** Grease bases—**NOPCO CHEM CO**
METEOR: Zinc sulfate, monohydrate—**Chemical & Pigment Co**
METHAC: Methyl acetate mix—Borden Chem Co
METHAR: Selective crabgrass killer—**W A Cleary Corp**
METHIACIL: 6-Methylthiouracil—Schwarz BioResearch
METHOCEL: Methylcellulose—**Dow Chem Co**
METHOLENE: Fatty esters—**Emery Industries**
METHOX: Plasticizers, resin, cellulose—FMC Corp, Chems & Plastics Div
METHOXO: Insecticides, farm, garden—Miller Products Co
METHOXYLCHLOR: Insecticide products—Geigy Agricultural Chem Div
METHYLON: Coating resin—General Elec Co, Chem Materials Dept
METHYL TUADS: Bactiricide-fungicide—R T Vanderbilt Co, Specialties Dept
METO: Tung oil methylester—Pacific Vegetable Oil Corp
►**METSO DETERGENT:** Sodium silicates—**PHILADELPHIA QUARTZ CO**
MEXOTHONE: Selective weed-killer—Chipman Chem Co
MICAFIL: Vermiculite—California Products Corp
MICALITE: Micaceous aluminum silicate—**Whittaker, Clark & Daniels**
MICA MIST: Products—Western Chem & Mfg Co
MICATEX: Mica—Baroid Div, National Lead Co
MICHELENE: Surface active agents—**M Michel & Co**
►**MICRASOL:** Vitamin concentrates—**NOPCO CHEM CO**
►**MICRATIZED:** Vitamin concentrates—**NOPCO CHEM CO**
►**MICRO-CEL:** Filler, synthetic calcium silicate—**JOHNS-MANVILLE**
MICROCOP: Chemicals, agricultural—Miller Products Co
MICRO CRATER: Sulfur, agricultural—Miller Products Co
MICRO-FLO: Barium carbonate—Chemical Products Corp (Ga)
MICROIL: Engineered instrument oil—Kano Labs
MICROMUL: Imitation flavor bases—**Dodge & Olcott**
MICRONEX: Carbon black—**Columbian Carbon Co**
MICRO NU-COP: Copper fungicide—**Faesy & Besthoff**
MICRO PRILLED: Urea feed compound—**W R Grace & Co, Nitrogen Products Div**
►**MICROSENE M; L:** Oxidized petrolatum, wax—**SONNEBORN CHEM & REFINING CORP**
MICROTAN: Tanning agents—Reilly-Whiteman-Walton Co
MIDAS: Pigments, plastic—**Argus Chem Corp**
MIDLAND VAT BLUE R: Brominated indigo vat dye—**Dow Chem Co**
MI-GEE: Methylene iodide—National Biochem Co
MIKE SULPHUR: Agricultural sulfur—**Dow Chem Co**
MIKROCARBIDE: Products—**Shwayder Chem Metallurgy Corp**
MIKROTUNGSTEN; Products—**Shwayder Chem Metallurgy Corp**
MILDEWCIDE X-10: Latex paint compound; wood treatment—Key Chem Corp
MILDEW-CLEAR: Linen antiseptic, bactericide, mildew preventive—**W A Cleary Corp**
MILDUCIDE: Bactericide, fungicide—Royce Chem Co
MILLICAL: Calcium carbonate—**Diamond Alkali Co**
MILI-MIKE: Emulsion, wax; Waxes—Fuld Bros
MILO: Starch—Corn Products Co
MILO-MAG: Defoilant—Woodbury Chem Co
MIMER 1: Copper; 8-quinolinoate—Fischer Chem Co
MINERAL LEAD: Jointing compounds—Atlas Mineral Products Co
MINITSTAIN: Biological stain—Belray Chem Co
MINOXO: Gas indicator, supersensitive—Engelhard Industries
MINUCLEIN: Tonic nucleates—Schwarz BioReseach
MIRACLE TAPE: Polyethylene pressure sensitive tape—**Gering Plastics**
MIRAGLO: Ink—California Ink Co
MIRAJET: Ink—California Ink Co
MIRASOL: Resins, alkyd—C J Osborn Co
MIRAWHITE: Optical bleaches—**Hilton-Davis Chem Co Div**
MIRRORGOLD: Bronze powder—Atlantic Powdered Metals
MISMO-BEESWAX: Stabilized beeswax—**International Wax Refining Co**
MISTO: Ink—California Ink Co
MITOX: Miticide—Ortho Div
MIXEVAN: Vanilla flavored powder—David Michael & Co, Inc
MOBILAD: Pigmented laminates—Socony Mobil Oil Co
MOBILCER: Wax emulsions—Socony Mobil Oil Co
MOBILPAR: Oils & wax emulsions—Socony Mobil Oil Co
MOBILSOIL: Petroleum oils—Socony Mobil Oil Co
MOBIL SORBEAD: Siliceous bead desiccants—Socony Mobil Oil Co
MOBILWAX: Paraffin & microcrystalline waxes—Socony Mobil Oil Co
MOBY DICK: Oils, sperm—Werner G Smith, Inc
MODERN CHEMICAL HYDRATE: Lime hydrated—H E Millard Lime & Stone Co
►**MODICOL:** Latex stabilizer—**NOPCO CHEM CO**
►**MODIFIED XXX:** Bright nickel electro-plating process—**HARSHAW CHEM CO**
MODULEX: Carbon black—**J M Huber Corp**
MODX: Vulcanization leveller, rubber—C P Hall Co
MOELLON: Fat liquor—Fiber Chem Corp
MOGUL: Carbon black—**Cabot Corp**
MOGUL: Cereal binder—Corn Products Co
MOHAWK: Peppermint & spearmint oils—Magnus, Maybee & Reynard
MOLACCO: Carbon black—**Columbian Carbon Co**
MOLD RELEASE 225: Epoxy release—Garan Chem Corp
MOLE: Sulfur—**Olin Mathieson Chem Corp**
MOLGARD: Internal release agent—Garan Chem Corp
MOLLESCAL: Leather treating compounds—**Antara Chems Div**
MOLORA MAROON: Betaoxynapthoic acid maroon—Standard Ultramarine & Color Co
MOLY-GRO: Molybdenum trace element compositions—Climax Molybdenum Co
MOLYSULFIDE: Molybdenum lubricant additive—Climax Molybdenum Co
MONACO: Pigment—**Ansbacher-Siegle Corp**
MONAMID: Alkyiolamides—Mona Industries
MONAMINE: Condensates; Fatty acidamine—Mona Industries
MONAQUEST: Sequestrants—Mona Industries
MONARCH: Carbon black, channel—**Cabot Corp**
MONARCH: Oils—Franklin Oil Corp
MONARCHROME: Chrome phthalocyanine green—Imperial Color Chem & Paper Dept
►**MONASTRAL:** Pigments—**DU PONT, PIGMENTS DEPT**
MONAWET: Wetting agents—Mona Industries
MONDUR: Isocyanates—Mobay Chem Co
MONEL: Nickel-copper alloys—International Nickel Co
MONEX: Accelerator, rubber—Naugatuck Chem Div
MONOBED: Resins, ion-exchange—**Rohm & Haas Co**
MONOCHROME: Dyes, acid—**General Dyestuff Co**
►**MONOLENE:** N(2-hydroxypropyl) ethlene-diamine—**WYANDOTTE CHEMS CORP**
MONOLINE: Plastic refractory—Quigley Co
MONOMAN: Manganese sulfate—**Tennessee Corp**
MONOPEEN: Synthetic "hammered" finish—Interchem Corp, Finishes Div
MONOPENTEK: Monopentaerythritol—Heyden Newport Chem Corp
MONOPLEX: Plasticizers, monomeric—**Rohm & Haas Co**
MONOPOLE: Sulfonated oils—Jacques Wolf & Co
►**MONOSULF:** Plasticizer-glues, starches—**NOPCO CHEM CO**
MONOTAN: Products—Jacques Wolf & Co
►**MONTAR:** Synthetic resin—**MONSANTO CHEM CO**
MONTCLAIR: Pigment—**Ansbacher-Siegle Corp**
MOON: 99% USP C P glycerine—Procter & Gamble Co
MOON-SHINE: Waxes, floor—Essential Chems Co
MORCOWET: Wetting agents—**Chas Pfizer & Co, Plastic & Plasticizer Dept**
►**MOREA PREMIX:** Feed supplement—**U S INDUSTRIAL CHEMS CO**
MORECROP: Dolomitic hydrated lime—Moores Lime Co
MORFLEX: Plasticizers—**Chas Pfizer & Co, Plastic & Plasticizer Dept**
MORLEX: Corrosion inhibitors—**Union Carbide Chems Co**
MOROC: Binders, core—**Diamond Alkali Co**
MORPEL: Petroleum sulfonates—**Chas Pfizer & Co, Plastic & Plasticizer Dept**
MOSKENE: Musk, synthetic—**Givaudan-Delawanna**
MOTHOMAT: Moth preventives—Uncle Sam Chem Co
MOUNT JADE: Menthol—**Alvares-Terner Corp**
MR N: Ammonium nitrate fertilizer—Spencer Chem Co
MRS: Detergent—Essential Chems Co
MUD FIBER: Lost circulation material, drilling mud—Magnet Cove Barium Corp
MULSORS: Dispersing agents—**Synthetic Chems**
MULTAKOLOR: Paint, multicolored—United Lacquer Mfg Corp
MULTIFLEX MM: Calcuim carbonate—**Diamond Alkali Co**
►**MULTIFOS:** Tribasic calcium phosphate—**INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV**
MULTILOK: Adhesives—National Starch & Chem Corp
MULTI-TOX: Products—Thompson Chems Corp
MULTI-TRACIN: Trace element plant nutrient—Puget Sound Pulp & Timber Co
►**MULTIWAX:** Microcrystalline wax — **SONNEBORN CHEM & REFINING CO**
MULTRATHANE: Urethane elastomer—Mobay Chem Co
MULTRON: Resins, polyester—Mobay Chem Co
MURAC: Acid inhibitor—**Cowles Chem Co**
MURANO COLORS: Synthetic nacreous pigments—**Mearl Corp**
MUSK TIBETENE: Musk, synthetic—**Givaudan-Delawanna**
►**MYCOBAN:** Sodium, calcium propionate—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
MYKON: Textile resins & softeners—Warwick Chem Div
MYLASE: Enzymes, Industrial—**Wallerstein Co**
MY-LO-JEL: Pre-cooked cornstarch—Magnet Cove Barium Corp
MYLONE: Soil conditioner, fumigant, nematocide—**Union Carbide Chems Co**
MYRJ: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
MYVACET: Acetylated glycerol esters—**Distillation Products Industries**
MYVAX: Vitamin A—**Distillation Products Industries**
MYVEROL: Glycerol monoesters—**Distillation Products Industries**

N

►**N:** Sodium silicate—**PHILADELPHIA QUARTZ CO**
NDGA: Antioxidant—Wm J Stange Co
N-IV: Prilled ammonium nitrate, blasting ingredient—Spencer Chem Co
N5DS; NSX: Bactericide, fungicide—Guard Chem Corp
►**N-30:** Petroleum products—**MONSANTO CHEM CO**
►**NP-10:** Plasticizers, polymeric—**EASTMAN CHEM PRODUCTS**
►**N S A E:** Dispersing agents—**ONYX CHEM CORP**
N-Z-AMINE: Protein hydrolysate—**Sheffield Chem Div**
N-Z-CASE: Protein hydrolysate—**Sheffield Chem Div**
►**NABOR:** Basic dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACAN:** Oxidizing agent, mild—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NACAP: Corrosion inhibitor—R T Vanderbilt Co, Specialties Dept
►**NACCO:** Dyes, garment—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NACCO: Photographic products—National Research & Chem Co
►**NACCOGENE:** Stabilized azoic dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCOLENE:** Detergents—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCONATES:** Diisocyanates—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCONOL:** Detergents—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCOSOL:** Wetting agents—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCOTAN:** Dispersing agent, tanning—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACCUFIX:** Dye fixative—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NACELAN:** Dye, dispersed—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NACENE: Odorant—**Sindar Corp**
NACROMER: Pearl pigment, synthetic—**Mearl Corp**
►**NACROSOL:** Organic pigments—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NADEX: Adhesives—National Starch & Chem Corp
►**NADIC:** Endo-cis-bicyclo (2.2.1)-5-heptene-2,3-dicarboxylic—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NADONE:** Cyclohexanone—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NAFIL: Resins, isocyanate—Chase Chem Corp
NAKTA: Grease—**Esso Standard Oil**
NALCAST: Ceramic shell molding material—Nalco Chem Co
NALCAT: Catalysts, petroleum—Nalco Chem Co
NALCITE: Resins, ion-exchange—Nalco Chem Co
NALCLAD: Asphalt additive—Nalco Chem Co
NALCOAG: Silica, hydrated, colloidal solution—Nalco Chem Co
NALCOMO: Desulfurization catalyst petroleum—Nalco Chem Co
NALCON: Organo-sulfur slimicides—Nalco Chem Co
NALEX: Starch—National Starch Products
NALFORM: Reforming catalyst petroleum—Nalco Chem Co
NALPREP: Protective treatment for cooling water systems—Nalco Chem Co
NALZIN: Stabilizer, vinyl—**National Lead Co**
►**NAPHTHANIL:** Diazo bases—**DU PONT, PIGMENTS DEPT**
NAPHTHO: Moth balls, flakes—Napthalene Products Co
NAPTHOLE: Special wetting agent—E F Drew & Co
NATAC: Rubber compounding material—**J M Huber Corp**
NATIONAL: Western bentonite—Baroid Chems
►**NATOX:** Sodium oxalate—**VICTOR CHEM WORKS**
NATROSOL: Cellulose ether—**Hercules Powder Co**
NAUGAPOL: Rubber, synthetic—Naugatuck Chem Div
NAUGATEX: Synthetic latices—Naugatuck Chem Div
NAUGAWHITE: Antioxidant—Naugatuck Chem Div
NAUGETS: Pelletized chems—Naugatuck Chem Div
►**NAXOL:** Cyclohexanol—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NAXONATE G; 4L: Hydrotropes—**Nease Chem Co**
NEANTINE: Perfume fixative (diethyl phthalate)—**Givaudan-Delawanna**
NEAR-A-LARD: Cutting, drawing lubricant—G Whitfield Richards
NEBONY: Petroleum hydrocarbon resin—**Neville Chem Co**
NEBULA: Grease—**Esso Standard Oil**
NECTON: Oil, process—**Esso Standard Oil**
NEELIUM: Jointing compound—Atlas Mineral Products Co
NEETOL: Fat liquors—**Diamond Alkali Co**
NEKAL: Wetting agent—**Antara Chems Div**
►**NEMAFUME:** Soil fumigant, dibromochloropropane—**AMERICAN POTASH & CHEM CORP**
►**NEMAGON:** Soil fumigant—**SHELL CHEM CO**
NEOBON: Coatings, putty products—Atlas Mineral Products Co
NEOBRITE: Detergent, oxidizing bleach, whitener—Fiber Chem Corp
NEO-CEBICURE: Meat-curing preparation—**Merck Chem Div**
NEO-CEBIMIX: Meat-curing preparation—**Merck Chem Div**
NEO-CEBITABS: Meat-curing preparation—**Merck Chem Div**
NEO-CEBITATE: Meat-curing preparation—**Merck Chem Div**
NEOCHROME: Chrome tanning agents—Fiber Chem Corp
NEOCOAT: Coatings; Paints; Thinners—**Pennsalt Chems Corp**
NEOCRYL: Acrylic emulsion polymers—Polyvinyl Chems
NEO-FAT: Fatty acids—**Armour Industrial Chem Co**
NEO-GERM-I-TOL: Germicide—**Fine Organics**
NEOGLOSS: Leather finish—Fiber Chem Corp
NEOLINE: Coatings; Thinners—**Pennsalt Chems Corp**
NEOLITH: Pellet litharge—Evans Lead Corp
NEOLYN: Synthetic resins—**Hercules Powder Co**
►**NEOPONE:** Detergents; Emulsifiers—**ULTRA CHEM WORKS**
NEOREZ: Polystryene emulsions—Polyvinyl Chems
NEOSAPON: Synthetic emulsifiers—Fiber Chem Corp
►**NEOSOL A:** Solvent—**SHELL CHEM CO**
NEO SPECTA: Carbon black—**Columbian Carbon Co**
NEOTEX: Products—**Columbian Carbon Co**
NEOTHRIN: Spray—Thompson Chems Corp
NEO-TONE: Sours, laundry—**Diamond Alkali Co**
NEOVAC: Polyvinyl acetate emulsions—Polyvinyl Chems
NEOWAX: Sole leather finish—Fiber Chem Corp
NEOWET: Wetting agent—Fiber Chem Corp
NEOWETS: Wetting agents—Royce Chem Co
NEOWHITE: Whitener, fluorescent—Fiber Chem Corp
NEOZYMES: Desizing agents—Royce Chem Co
NEPOXIDE: Coatings, paints—Atlas Mineral Products Co
NEPTON: Water repellents, textile—Crown Chem Corp
NEROFIL: Processed carbon filteraid, filler—**Great Lakes Carbon Corp, Dicalite Dept**
NERONE: Perfume chems—**Givaudan-Delawanna**
NEUBRITE; NEULIN; NEUSOL: Laundry sours—**Cowles Chem Co**
NEUCLEAN; NEUSCOUR: Wool scouring agents—**Maher Color & Chem Co**
NEUTRA-GLOSS: Wax emulsions—DuBois Co
NEUTRAL 50: Cleaners—**Diamond Alkali Co.**
NEUTRALAVE: Soap bases, liquid—DuBois Co
►**NEUTRANYL:** Nylon dyes, neutral—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
NEU-TRI: Solvent—**Dow Chem Co**
NEUTRIGAN: Leather treating compounds—**Antara Chems Div**
NEUTROL: Products—Filtrol Corp
NEUTROLAIR: Deodorant—**Fritzsche Bros**
NEUTROLENE: Fat liquors—**Diamond Alkali Co**
NEUTROLEUM: Deodorants—**Fritzsche Bros**
►**NEUTRONYX:** Non-ionic surface active agents—**ONYX CHEM CORP**
NEUTROSCENT: Deodorants—**Fritzsche Bros**
NEUTRUMET: Neutral dyeing premetallized colors—Belle Chem Co
NEVASTAIN: Rubber antioxidants—**Neville Chem Co**
NEVILLAC: Indene resins, phenol modified coumarone—**Neville Chem Co**
NEVILLE: Foundry coke; Ferromanganese; Pig Iron—**Pittsburgh Coke & Chem Co**
NEVILLITE: Indene resins, hydrogenated coumarone—**Neville Chem Co**
NEVINOL: Plasticizing oil—**Neville Chem Co**
NEVSOLV: Petroleum aromatic solvents—**Neville Chem Co**
NIACET: Acetate salts—**Union Carbide Chems Co**
►**NIAGARA:** Dyes, direct—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
►**NIAGRATHOL:** Tetrachlorophthalic anhydride—**HOOKER CHEM CORP**
►**NIALK:** Products—**HOOKER CHEM CORP**
NIAPROOF: Aluminum acetate, basic—**Union Carbide Chems Co**
NIAX: Polyoxethylene resins—**Union Carbide Chems Co**
►**NIBRITE:** Barrel nickel electroplating process—**HARSHAW CHEM CO**
NICARB: Coccidiostat, feed use—**Merck Chem Div**
NICOLMELT: Adhesive—Boler Petroleum Co
►**NICOMO 1:** Hydrogen treating catalyst—**DAVISON CHEM DIV**
NI-HARD: Processed Irons, 4-5% nickel — International Nickel Co
NILE: Dyes, acid—**General Dyestuff Co**
NIMCO: Lanolin, anhydrous & hydrous—Malmstrom Chem Corp
NIMCOLAN: Lanolin emulsifiers, solubilizers & bases—Malmstrom Chem Corp
NIMLESTEROL: Cholestrol emulsifier—Malstrom Chem Corp
NINATE: Products—Stepan Chem Co, Industrial Chems Div
NINEX: Products—Stepan Chem Co, Industrial Chems Div
NINOL: Products—Stepan Chem Co, Industrial Chems Div
NINOX: Products—Stepan Chem Co, Industrial Chems Div
NI-O-NEL: Nickel-Iron-chromium alloy—International Nickel Co
►**NIOX:** Ammonium nitrate—**DU PONT, EXPLOSIVES DEPT**
NIPOCERA: Crayons for textile & leather finishes—Cornelius Wax Refining Corp
NI-RESIST: Processed Irons, 14-36% nickel—International Nickel Co
►**NIRAN:** Parathion insecticide—**MONSANTO CHEM CO**
NIRUS: Antirust—**Synthetic Chems**
NISOL: Ammonia-urea solutions—**W R Grace & Co, Nitrogen Products Div**
NITHO BT: Sodium alpha naphthyl phosphate—Borden Chem Co
NITREX: Latices, acrylonitrile polymers—Naugatuck Chem Div
NITRO BT: Diagnostic reagents—Borden Chem Co
NITROCOL: Pigment dispersions—C J Osborn Co
NITRONEAL: Nitrogen generator—Engelhard Industries
►**NITROSAN:** Chemical blowing agent—**DU PONT, EXPLOSIVES DEPT**
NO-BLOK: Invert oil emulsion drilling mud—Magnet Cove Barium Corp
►**NOBS:** Accelerator—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
N'ODOR SPRITE: Activated charcoal—Collier Carbon & Chem Corp
NODULOY: Alloys—Vanadium Corp of America
►**NOGAS:** Pickling agent—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**NOKARB:** Clays, filler—**MINERALS & CHEMS PHILIPP CORP**
►**NOKORODE:** Coatings; Sealants; Rust preventives—**MONSANTO CHEM CO**
NOMOLD: Mold & mildew inhibitor—**H Kohnstamm & Co**
NON-FER-AL: Calcium carbonate—**Diamond Alkali Co**
NON-FLUID OIL: Lubricants—N Y & N J Lubricant Co
NONIC: Surface active agents, nonionic; Detergents—**Pennsalt Chems Corp**
NONISOL: Esters, polyethylene glycol—Geigy Industrial Chems
NON-SKUFF: Floor wax—Uncle Sam Chem Co
NON-WARP: Adhesives—National Starch & Chem Corp
►**NO-ODOROL:** Oils, finishing—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**NOPALCOL:** Polyethelene glycols—**NOPCO CHEM CO**
►**NOPCAINE:** Feed Chem—**NOPCO CHEM CO**
►**NOP-CAP:** Calcium pentothenate—**NOPCO CHEM CO**
►**NOPCAY:** Vitamin concentrates—**NOPCO CHEM CO**
NOPCO 85; 100: Vitamin concentrates—**NOPCO CHEM CO**
►**NOPCO CP; FUA:** Textile Oils—**NOPCO CHEM CO**
►**NOPCO ESI:** Metallic soap dispersions—**NOPCO CHEM CO**
►**NOPCO JMK; JMU; JMY; KCT; KF; KFC; LDC LDF LDV:** Defoamers—**NOPCO CHEM CO**
►**NOPCO MF:** Wetting agents—**NOPCO CHEM CO**
►**NOPCO-R:** Riboflavin—**NOPCO CHEM CO**
►**NOPCO WORSTED OIL 12:** Textile lubricant—**NOPCO CHEM CO**
►**NOPCO XXX:** Vitamin concentrates—**NOPCO CHEM CO**
►**NOPCOB:** Emulsifiers—**NOPCO CHEM CO**
►**NOPCOBOND:** Antistripping agents—**NOPCO CHEM CO**
►**NOPCOCASTOR:** Leather & Textile oils—**NOPCO CHEM CO**
►**NOPCOCELL:** Polyurethane foam—**NOPCO CHEM CO**
►**NOPCOCHEX:** Corrosion inhibitors—**NOPCO CHEM CO**
►**NOPCOCOD:** Leather treating compounds—**NOPCO CHEM CO**
►**NOPCOFOAM:** Resin, polyurethane—**NOPCO CHEM CO**
►**NOPCOGEN:** Cationic surface active agents—**NOPCO CHEM CO**
►**NOPCOL:** Leather finishing agents; Vitamin concentrates—**NOPCO CHEM CO**
►**NOPCOLENE:** Fat liquors—**NOPCO CHEM CO**
►**NOPCOLUBE:** Textile sizing lubricants—**NOPCO CHEM CO**
►**NOPCOM:** Vitamin concentrates—**NOPCO CHEM CO**
►**NOPCONE:** Textile oils—**NOPCO CHEM CO**
►**NOPCO-PAK:** Feed chems—**NOPCO CHEM CO**
►**NOPCOROL:** Lubricants—**NOPCO CHEM CO**
►**NOPCOSORB:** Emulsifiers—**NOPCO CHEM CO**
►**NOPCOSTAT:** Textile oils—**NOPCO CHEM CO**
►**NOPCOSULF:** Sulfated oils—**NOPCO CHEM CO**
►**NOPCOTAL:** Sulfonated tallow—**NOPCO CHEM CO**
►**NOPCOTEX:** Textile softeners—**NOPCO CHEM CO**
►**NOPCOV:** Sulfonated oils—**NOPCO CHEM CO**
►**NOPCOVAR:** Metallic soaps—**NOPCO CHEM CO**
►**NOPCOWAX:** Waxes, synthetic—**NOPCO CHEM CO**
►**NOPCOWET:** Wetting agents—**NOPCO CHEM CO**
►**NOPCOWITE:** Wetting agents—**NOPCO CHEM CO**
►**NOPDEX:** Vitamin concentrates—**NOPCO CHEM CO**
►**NOP-DRY:** Vitamin concentrates—**NOPCO CHEM CO**
►**NOP-SOL:** Vitamin concentrates—**NOPCO CHEM CO**
►**NOPVITE:** Vitamin E—**NOPCO CHEM CO**
NORANE: Water repellents, textile—Warwick Chem Div
►**NORCOL:** Vitamin concentrates—**NOPCO CHEM CO**
NORIT: Activated carbon—**L A Salomon & Bro**
NORIT: Activated carbon—American Norit Co
NORLIG: Products—Marathon Div
NORMAN GREEN: Pigment—**Ansbacher-Siegle Corp**
NORMASAL: Stabilizer, vinyl—**National Lead Co**
NORVAL: Grease, high temperature—**Esso Standard Oil**
NORVAN: Polyvinyl acetate emulsions—R T Vanderbilt Co
NO-SPOT: Cleaners—Essential Chems Co
NOURALTEX: Technical grade sodium alginate—Edward Mendell Co
NOVENT: Blasting cap—**Hercules Powder Co**
NOVON: Herbicide—**Dow Chem Co**
NOXODOR: Masking agent—**Maher Color & Chem Co**
►**NUBRITE:** Bright nickel electroplating process—**HARSHAW CHEM CO**
NUCARB: Solid carborizers—E F Houghton & Co
NUCHAR: Carbon, activated—W Va Pulp & Paper Co, Industrial Chem Sales Div
NUCHROME: Tannages, chrome—Fiber Chem Corp
NUCLOR: Laundry dry bleach—**H Kohnstamm & Co**
NU FILM: Starch—National Starch & Chem Corp
NU-GLO: Silicone furniture polish—Uncle Sam Chem Co
►**NUGREEN:** Fertilizer compounds—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
NU-HYDE: Drum coatings—A Adler & Son
NU IRON: Iron chelate—**Tennessee Corp**
NULLAPON: Sequestering agents—**Antara Chems Div**
NUMANESE: Manganese oxide (ous)—**Tennessee Corp**

NUMEC: Materials & equipment—Nuclear Materials & Equipment Corp
NU-MET: Cleaners—**Diamond Alkali Co**
NU NAP: Felt washing compound—**Cowles Chem Co**
►**NU REXFORM:** Lead arsenate—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
NUSWEET: Corn syrup—Clinton Corn Processing Co
NUTO: Lubricating oil—**Esso Standard Oil**
NUTRICOL: Algin carrageenin compounds—Marine Colloids, Inc
NUTRI-PABST: Vitamin feed supplements—Pabst Brewing Co
NUZ: Horticultural chem—**Tennessee Corp**
NYLOX: Cements, setting, paint brushes—H V Hardman Co
NYTAL: Talc—R T Vanderbilt Co, Specialties Dept

O

►**O:** Sodium silicate—**PHILADELPHIA QUARTZ CO**
O & W COMPOUND: Cleaners, Laundry—**Diamond Alkali Co**
OAKOMETER: Solution control instrument—Oakite Products
OCEAN GREEN: Cleaners—Essential Chems Co
OCTAGON: Soaps—Colgate-Palmolive Co
►**OCTASOL:** Driers for paint, varnish, printing ink, floor covering—**HARSHAW CHEM CO**
O-DOR-X: Industrial deodorant, odorless—Premium Chems
ODRENE: Odorant—**Sindar Corp**
OHIO-APEX: Plasticizers—FMC Corp, Chems & Plastics Div
OHOPEX: Plasticizers, resin—FMC Corp, Chems & Plastics Div
OHSO: Pulverized limestone—Ohio Lime Co
OIL COLOR: Fluorescent colors for lubricating oils—**Patent Chems**
OILDAG: Colloidal graphite in petroleum oil—Acheson Colloids Co
OIL FOE: Oil & water absorbent—Ampion Corp
OILKLEEN: Degreasing solvent—Sumco Products
►**OILPHOS:** Drilling mud conditioner—**MONSANTO CHEM CO**
OILZUM: Lubricating oils—White & Bagley Co
OKEMCO: Cleaners, metal—Oakite Products
OL: Preservative, fungicide, slimicide—Guard Chem Corp
►**OLDBURY:** Products—**HOOKER CHEM CORP**
OLIVAROME: Products—**Florasynth Labs**
OLIVESCO: Built soap—**Cowles Chem Co**
OLIVINE: Olive oil type fatty acid replacement—Woburn Chem Co
ONAMIDS: Polyamide resins—**Olin Mathieson Chem Corp**
►**OPALON:** Vinyl chloride—**MONSANTO CHEM CO**
OPALWAX: Oil, castor; Wax, synthetic—**Baker Castor Oil Co**
OPAX; S: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co
OPEX: Lacquers; Enamels—**Sherwin-Williams Co**
ORANAP: Alkyl napthalene sulfonates—Jacques Wolf & Co
ORATOL L-48: Detergents—Jacques Wolf & Co
►**OREL:** Rubber lubricant—**DU PONT, FABRICS & FINISHES DEPT**
ORGANO: Fertilizers, mixes—Miller Products Co
ORION RED: Red pigment—**Sherwin-Williams Co**
OROPON: Enzyme bate—**Rohm & Haas Co**
OROTAN: Tanning agent, synthetic—**Rohm & Haas Co**
ORQUIMA: Products—**Alvares-Terner Corp**
ORTHEMUL: Sewage treatment chem—**Fine Organics**
ORTHOBRITE: Laundry detergent—**Diamond Alkali Co**
ORTHOCHROM: Lacquers, leather finishing—**Rohm & Haas Co**
ORTHO-CLEAR: Lacquers, leather finishing—**Rohm & Haas Co**
ORTHODULL: Dulling agent, leather finishing—**Rohm & Haas Co**
ORTHOLATE: Laundry detergent—**Diamond Alkali Co**
ORTHOLITE: Resins, leather finishing—**Rohm & Haas Co**
ORTHOPHEN: Anti-skinning agents—**Pennsalt Chems Corp**
ORTHOSIL: Sodium o-silicate—**Pennsalt Chems Corp**
ORTHOTONE ORANGE: Orthonitraniline orange—Standard Ultramarine & Color Co
ORZAN: Lignin sulfonates—Crown Zellerbach Corp
OTTAFECT: 2-tert.-butyl-4-chloro-3-methylphenol—**Ottawa Chem Co**
OTTASEPT: p-Chloro-m-xylenol—**Ottawa Chem Co**
OVAZYME: Glucose oxidase; catalase—Fermco Labs, Inc
OVOTRAN: Miticide—**Dow Chem Co**
OXFORD DELIGHT: Perfume base—**Florasynth Labs**
OXIDEX: Anti-oxidant—**Fritzsche Bros**
►**OXONE:** Monopersulfate compound—**DU PONT, ELECTROCHEMS DEPT**
OXYBAN: Oxygen scavengering packet—Fermco Labs, Inc
OXYCAT: Air pollution controls—Oxy-Catalyst, Inc
OZARK: Zinc sulfate—**Sherwin-Williams Co**
OZIDE: Zinc oxide—**Sherwin-Williams Co**
OZLO: Zinc oxide, leaded—**Sherwin-Williams Co**
OZOTEX: Microcrystalline wax—**L A Salomon & Bro**

P

PLUS 5: Line marker—**Georgia Marble Co**
P-33: Thermal black—R T Vanderbilt Co
►**P-252:** Bactericide—**COMMERCIAL SOLVENTS CORP**
►**PA-100; 400:** Silica gel—**DAVISON CHEM DIV**
PAM: Anti-nerve gas combatant—Borden Chem Co
►**PC-1244; 1344:** Defoamer—**MONSANTO CHEM CO**
PCMX: p-chloro-m-xylenol—**Ottawa Chem Co**
PH-PLUS: Soda ash—**Olin Mathieson Chem Corp**
PM: Cleaners, detergents—Essential Chems Co
PMAS: Selective crabgrass killer & fungicide—**W A Cleary Corp**
PMD: Liquid mothproofer—Dixo Co
PQ: Lubricants, rust preventives—**American Oil & Supply Co**
PRF: Acidproof cements—**Pennsalt Chems Corp**
PS-18: Monomer-polymer acrylic cement—**Rohm & Haas Co**
PT: Pine tar & pine tar oil—**Cabot Corp**
►**PACIFIC CRYSTALS:** Sodium sesquicarbonate—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
PACK-O-SUDS: Detergents—Britex Corp
PACO: Solvent, alcohol—**Publicker Industries**
PADASOL: Dye assistants—Jacques Wolf & Co
►**PADISCOL:** Solvent—**SHELL CHEM CO**
PAINT-SAV: Antiskinning agent, paint—Ames Labs
PALATONE: Aromatic specialty chem—**Dow Chem Co**
PALADIN: Primers—Interchem Corp, Finishes Div
PALATINE: Dye assistants—**General Dyestuff Co**
PALATONE: Aromatic specialty Chem—**Dow Chem Co**
PALKENA: Technical fats—**Dura Commodities Corp**
PALMABEADS: Dry vitamin A Palmitate beadlets for "stress" formulas—Hoffmann-La Roche
PALMILETS: Vitamin A—**Chas Pfizer & Co**
PALMOLIVE: Soaps—Colgate-Palmolive Co
PAMAK: Tall oil fatty acids—**Hercules Powder Co**
PAMPHLEX: Flexible glue—Swift & Co, Adhesive Products Dept
PANAFLEX: Plasticizer—**Amoco Chems Corp**
PANAPOL: Hydrocarbon polymers, resins solutions—**Amoco Chems Corp**
PANAREZ: Resins—**Amoco Chems Corp**
PANELAG: Insulation materials—**Quigley Co**
PANOL: Proteolytic papaya enzyme—**Biddle Sawyer Corp**
PAPI: Polymethylene polyphenylisocyanate—**Carwin Co**
►**PARABAR:** Additives, lubricant—**ENJAY CHEM CO**
PARABIS: Anti-parasite composition—**Dow Chem Co**
►**PARACIDE:** p-Dichlorobenzene—**HOOKER CHEM CORP**
PARACOL: Wax emulsions—**Hercules Powder Co**
PARACRIL: Rubber, synthetic—Naugatuck Chem Div
PARADENE: Indene resins, coumarene—**Neville Chem Co**
►**PARADI:** p-Dichlorobenzene—**HOOKER CHEM CORP**
PARADOR: Odorant—**Sindar Corp**
PARADOW: p-Dichlorobenzene—**Dow Chem Co**
PARADUSTO: Insecticide, farm, garden—Miller Products Co
►**PARADYNE:** Inhibitors, gasoline—**ENJAY CHEM CO**
►**PARAFLOW:** Additives, pour point depressant—**ENJAY CHEM CO**
PARA-FLUX: Rubber softener—C P Hall Co
PARAGON: Clay—**J M Huber Corp**
PARALATE: Soap builder—**Diamond Alkali Co**
PARA-LUBE: Rubber softener oil—C P Hall Co
►**PARAMINS:** Additives, petroleum—**ENJAY CHEM CO**
►**PARAMUL:** Repellents—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**PARANOX:** Additives, lubricant—**ENJAY CHEM CO**
Rohm & Haas Co
PARAPLEX: Alkyd plasticizers; Resins—**Rohm & Haas Co**
►**PARAPOIDL:** Additives, lubricant—**ENJAY CHEM CO**
PARASEPTS: Bacteriostatic & fungistatic agents—Heyden Newport Chem Corp
►**PARASHADE:** Additives, lubricant—**ENJAY CHEM CO**
►**PARASHEEN:** Additives, lubricant—**ENJAY CHEM CO**
PARASPRA: Insecticides, farm, garden—Miller Products Co
►**PARATAC:** Additives, lubricant—**ENJAY CHEM CO**
►**PARATONE:** Additives, lubricant—**ENJAY CHEM CO**
►**PAREZ:** Resins—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
PARICIN: Acid esters, fatty; Plasticizers—**Baker Caster Oil Co**
PARLODIAN: Pyroxylin, purified—**Mallinckrodt Chem Works**
PARLON: Chlorinated rubber—**Hercules Powder Co**
PARMO: Petroleum USP—**Esso Standard Oil**
PARNOL: Detergents; Leveling agents—Jacques Wolf & Co
PAROLITE: Zinc sulfoxylate formaldehyde—Royce Chem Co
PAROIL: Paraffin, chlorinated—Dover Chem Corp
►**PARZATE:** Zineb & nabam fungicides—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
PASCO: Products—Pacific Smelting Co
PAVAMER: Linseed oil, chemically modified—Pacific Vegetable Oil Corp
PAVOFLEX: Double processed fish oil—Pacific Vegetable Oil Corp
PAVOLENE: Linseed oil, catalyzed—Pacific Vegetable Oil Corp
PAVOLIN: Linseed oil, kettle-bodied—Pacific Vegetable Oil Corp
PAXINOSA: Whiting—**C K Williams & Co**
PAYGEL: Wheat starch—**General Mills, Specialty Products Div**
PEACOCK: FD & C colors—Wm J Stange Co
PEARLITE: Solid carborizer—E F Houghton & Co
PECTINOL: Enzymes, pectic—**Rohm & Haas Co**
PEDER DEVOLD: Cod liver oils, medicinal—**Chas L Huisking & Co**
PEERLESS: Carbon black—**Columbian Carbon Co**
PEERLESS: Pils—Franklin Oil Corp
PEERLESS: Products—**Mississippi Lime Co**
PEERLESS: Kaolin clay—R T Vanderbilt Co, Specialties Dept
PEETS: Soaps—Colgate-Palmolive Co
PELADOW: Calcium chloride pellets—**Dow Chem Co**
PELARGOL: Perfume bases—**Fritzsche Bros**
PELASPAN: Expandable polystyrene beads—**Dow Chem Co**
PELLEFORM: Fertilizer products—**Smith-Douglass Co**
PELLETEX: Carbon black, pelleted gas furnace—**Cabot Corp**
PENERITE: Soap builders—**Pennsalt Chems Corp**
PENCAL: Calcium arsenate—**Pennsalt Chems Corp**
PENCHLOR; FCC: Acidproof cements—**Pennsalt Chems Corp**
PENCO: Insecticides—**Pennsalt Chems Corp**
►**PENDANE:** Insecticidal formulations—**S B PENICK & CO**
PENETRANT: Detergents—**Oakite Products**
PENITE: Weed killers—**Pennsalt Chems Corp**
►**PENITRACIN:** Bacitracin—**S B PENICK & CO**
PENNAC SDB: Rubber accelerators & compounding materials—**Pennsalt Chems Corp**
PENNCLEAN: Acid cleaner, milkstone remover—**Pennsalt Chems Corp**
PENN-DRAKE: Petrolatum—Pennsylvania Refining Co
PENNEX: Oil, metal cutting—**Esso Standard Oil**
PENNOX: Products—**Pennsalt Chems Corp**
PENNPAINT: Thinners, paint, varnish, lacquer—**Pennsalt Chems Corp**
PENNSALT PM 90; PM 95: Acids, inhibited—**Pennsalt Chems Corp**
PENNSAN: Corrosion inhibitors—**Pennsalt Chems Corp**
PENNSTARCH: Laundry starches—**Pennsalt Chems Corp**
PENNTROWEL: Acidproof coatings—**Pennsalt Chems Corp**
PENNWOOD: Lubricating oils—W A Wood Co
PENNZONE: Rubber compounding materials—**Pennsalt Chems Corp**
PEN-O-LED: Lubricant, extreme pressure—**Esso Standard Oil**
PENRECO: Lubricating oils—Pennsylvania Refining Co
PENSAL: Soap builders—**Pennsalt Chems Corp**
PENSO: Alkaline cleaner—**Pennsalt Chems Corp**
PENTA: Products—Thompson Chems Corp
PENTALENE: Amyl napthalenes—**Pennsalt Chems Corp**
PENTALYN: Synthetic resins—**Hercules Powder Co**
PENTAPHEN: p-tert-Amyl phenol—**Pennsalt Chems Corp**
PENTASOL: Amyl alcohols, mixed—**Pennsalt Chems Corp**
PENTEK: Pentaerythritol, technical—Heyden Newport Chem Corp
PENTON: Chlorinated polyether—**Hercules Powder Co**
►**PENT-OXOL:** Glycol-ether solvent—**SHELL CHEM CO**
►**PENT-OXONE:** Keto-ether solvent—**SHELL CHEM CO**
PENTRILE A: Pentaerythritol tetrakis β cyanoethyl-ether—Delaware Chems Inc
PENTROFIX; PENTROSULF: Dye assistant & fixative; penetrator—**Maher Color & Chem Co**
►**PENVAL:** Perfume compounds—**S B PENICK & CO**
PEPTEX: Cleaner, dairy, farm, home—Diversey Corp
PEPTIZAN: Deliming agent—Fiber Chem Corp
►**PEPTON:** Plasticizer—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
PERCHLORON: Bactericides; Acidproof cements—**Pennsalt Chems Corp**
►**PERCLENE:** Perchlorethylene—**DU PONT, ELECTROCHEMS DEPT**
PERDEX: Food preservative compound—Sterol Derivatives
►**PERDOX:** Sodium borate perhydrate—**DU PONT, ELECTROCHEMS DEPT**
PEREGAL: Textile strippers—**Antara Chems Div**
►**PERFECTA:** Petrolatum—**SONNEBORN CHEM & REFINING CORP**
►**PERFECTION:** Sodium acid pyrophosphate—**VICTOR CHEM WORKS**
►**PERFLOW:** Semi-bright nickel electroplating process—**HARSHAW CHEM CO**
►**PERFLOW-PERGLOW:** Duplex nickel electroplating process—**HARSHAW CHEM CO**
►**PERGLOW:** Bright nickel electroplating process—**HARSHAW CHEM CO**
PERLITEX: Heat transferring salts— E F Houghton & Co
PERLITON: Heat transferring salt—E F Houghton & Co
PERMA-BLEND: Vinyl plastic compound—Borden Chem Co
PERMACIDE: Preservatives, wood—Miller Products Co
PERMACHLOR, RED: Red pigment—**Sherwin-Williams Co**
PERMACHROM RED: Red pigments—**Sherwin-Williams Co**
PERM-A-CLOR: Metal degreasing solvent—Detrex Chem Industries
PERMAFLEX: Glue—Swift & Co, Adhesive Products Dept
PERMA-FLEX: Vinyl garden hose—Borden Chem Co
PERMAFRESH: Textile resins—Warwick Chem Div
PERMAGEN: Pigments—**Colway Pigments**
PERMA-GLO: Waxes, floor—Fuld Bros
PERMAG: Industrial cleaning compounds—Magnuson Products Corp

PERMAGEN: Pigments, paint—**General Dyestuff Co**
PERMA-MAT: Plastic floor runner—Borden Chem Co
PERMANSA GREEN: Colors, dry, green—**Sherwin-Williams Co**
PERMANSA ORANGE: Colors, dry, orange—**Sherwin-Williams Co**
PERMANSA RED: Colors, dry, red—**Sherwin-Williams Co**
PERMANSA YELLOW: Colors, dry, yellow—**Sherwin-Williams Co**
PERMA-PLATE: Flexible printing plates—Borden Chem Co
PERMA-SEAL: Shoe welting—Borden Chem Co
PERMASOL: Coolant fluid—E F Houghton & Co
PERMATOX, 10-S: Sodium pentachlorophenate, borax—Chapman Chem Co
PERM-COTE: Coating—Detrex Chem Industries
►**PERMEL:** Resins—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
PERMO: Mothproofing spray—Uncle Sam Chem Co
PERMOLITH: Lithopone—**Sherwin-Williams Co**
PER MOUNT: Bacteriological mounting medium—**Fisher Scientific Co**
PEROX: Plastics; Inks—**Patent Chems**
PEROXIDOL: Epoxidized plasticizer—Reichhold Chems, Inc
PERSEC: Dry-cleaning solvent—Frontier Chem Co
PERSOL: Products—Berkshire Color & Chem Corp
PERTHANE: Insecticides, synthetic organic—**Rohm & Haas Co**
PESTENE: DDT Insecticide—Uncle Sam Chem Co
PESTFRE: Insecticide, farm, garden—Miller Products Co
PESTKIL: Spray base, cattle—Miller Products Co
PETREX: Resin—**Hercules Powder Co**
PETRO BOND: Bonding agent—Baroid Chems
PESTMASTER: Products—**Michigan Chem Corp**
PETROBOND: Bonding agent—Baroid Chems
PETROGEL: Explosives—Atlas Powder Co, Explosives Div
PETROL: Dyes, petroleum, gasoline—**Patent Chems**
PETROLITE: Emulsifiable, synthetic & hard waxes—**Bareco Wax Co**
►**PETROMIX:** Emulsifying oils—**SONNEBORN CHEM & REFINING CORP**
PETRON: Blasting agent—Atlas Powder Co, Explosives Div
►**PETRONATE:** Petroleum sulfonate—**SONNEBORN CHEM & REFINING CORP**
PETRONAUBA: Emulsifiable waxes—**Bareco Wax Co**
►**PETRONIC ACID:** Petroleum sulfonate—**SONNEBORN CHEM & REFINING CORP**
PETRONITE: Blasting agent—Atlas Powder Co, Explosives Div
PETRO-SEAL: Interior tank coating—**Sherwin-Williams Co**
►**PETROSENE:** Fuel oil additive—**SONNEBORN CHEM & REFINING CORP**
PETRO-SURF: Surfactants—Western Chem & Mfg Co
►**PETROTHENE:** Resins, polyethylene—**U S INDUSTRIAL CHEM CO**
PEXITE: Rosin—**Hercules Powder Co**
PEXOL: Rosin sizes—**Hercules Powder Co**
PHALTAN: Fungicides—Ortho Div
►**PHARMASORB:** Activated attapulgite, pharmaceutical grade—**MINERALS & CHEMS PHILIPP CORP**
PHARMCO: Ethyl alcohol—**Publicker Industries**
PHENAMINE: Dyes, direct—**General Dyestuff Co**
PHENEX: Rubber accelerator—**C P Hall Co**
PHENOFORM: Dyes, basic—**General Dyestuff Co**
PHENOLEUM: Germicide—Guardian Chem Corp
PHENOWELD: Adhesives, Industrial—**H V Hardman Co**
PHILBLACK: Carbon black—Phillips Chem Co
PHILLIPS 66: Fertilizer—Phillips Chem Co
PHILPRENE: Rubber, synthetic—Phillips Chem Co
PHILRICH 5: Oil, rubber-extender—Phillips Chem Co
►**PHI-O-SOL:** Wetting agent—**ONYX CHEM CORP**
►**PHOSDRIN:** Insecticide—**SHELL CHEM CO**
►**PHOSEFLAKE:** Alkali bottle cleaners—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
►**PHOS-FEED:** Animal feed supplement—**AMERICAN AGRICULTURAL CHEM CO**
►**PHOSFON:** Plant growth retarder—**VIRGINIA-CAROLINA CHEM CORP**
►**PHOSGARD:** Fireproofing compounds, fabric & wood—**MONSANTO CHEM CO**
PHOS-O-BRITE: Detergent acid cleaner, liquid—Britex Corp
►**PHOSPHODUST:** Pesticide dust diluent—**AMERICAN AGRICULTURAL CHEM CO**
PHOSPHOSIL: Alkaline cleaner—**Pennsalt Chems Corp**
PHYGON: Fungicides, algicides—Naugatuck Chem Div
PHYTOCIDE: Products—Thompson Chems Corp
PICCODIENE: Heat reactive aromatic petroleum resin—**Pennsylvania Industrial Chem Corp**
PICCOFLEX: Modified styrene copolymer resin—**Pennsylvania Industrial Chem Corp**
PICCOLYTE: Resins, hydrocarbon—**Pennsylvania Industrial Chem Corp**
PICCOPALE: Non-aromatic petroleum resin—**Pennsylvania Industrial Chem Corp**
PICCOTEX: Water-white styrene copolymer—**Pennsylvania Industrial Chem Corp**
PICCOUMARON: Aromatic resin—**Pennsylvania Industrial Chem Corp**
PICCOVAR: Alkyl-aromatic resin—**Pennsylvania Industrial Chem Corp**
PICKUP: All-purpose absorbent—Diversey Corp
PICRIDE: Space fumigant—**Dow Chem Co**
PICTOL: Developer, photographic—**Mallinckrodt Chem Works**
PICTONE: Developer, photographic — **Mallinckrodt Chem Works**
PIKES PEAK: Clays; Insecticide carriers—Diversey Corp
PINATONE: Pine reinforcer—Rhodia Inc
PINEAIR: Disinfectant—Uncle Sam Chem Co
PINE AROMA: Disinfectant—Uncle Sam Chem Co
PINEOLL: Disinfectants—Uncle Sam Chem Co
►**PIONEER:** Ceramic clay—**GEORGIA KAOLIN CO**
PIONEER BRAND: Beeswax—Theodor Leonard Wax Co
PIPER: Pigment—**Ansbacher-Siegle Corp**
PIPSOL: Piperazine hydrochloride solution—Pendergast Chem Co
PITT CHEM: Protective coatings—**Pittsburgh Coke & Chem Co**
►**PITTABS:** Calcium hypochlorite—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
►**PITTCHLOR:** Calcium hypochlorite—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
PITTSBURGH PX: Plasticizers—**Pittsburgh Coke & Chem Co**
PLACCO: Adhesives for use on all surface—Borden Chem Co
►**PLACEWEL:** Water-reducing cement additive—**JOHNS-MANVILLE**
PLAINFOLINE: Products—**Florasynth Labs**
PLANTAROME: Foaming agents—**Florasynth Labs**
PLASDONE: Polyvinylpyrrolidone—**Antara Chems Div**
►**PLASKON:** Plastics & resins—**ALLIED CHEM CORP, PLASTICS DIV**
PLASTIC EDGE SEAL: Edge ink, leather goods—Fiber Chem Corp
►**PLASTIBOND:** Foundry clay—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
PLASTICONE RED: Red pigments—**Sherwin-Williams Co**
►**PLASTIFLOUR:** Foundry clay—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
PLASTI-KOTE SPRAY PAINT: Products—Plasti-Kote, Inc
PLASTILEASE: Release agent—Garan Chem Corp
►**PLASTO:** Plastics dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
PLASTOFLEX: Plasticizers, vinyl—Advance Solvents & Chem Div
PLASTOGEN: Plasticizer for rubber— R T Vanderbilt Co
►**PLASTOL NO 1:** Cement waterproofing agent—**NOPCO CHEM CO**
PLASTOLEIN: Plasticizers—**Emery Industries**
PLASTONE: Plasticizer, peptizer—**Harwick Standard Chem Co**
PLENCO: Resins, molding compounds—Plastics Engrg Co
PLEOGEN: Polyester resins—Mol-Rez Div
PLEXENES: Organic sequestering agents—Tanatex Chem Corp
PLEXIGLAS: Acrylic resin plastic sheets; Molding powder—**Rohm & Haas Co**
PLEXIGUM: Adhesive—**Rohm & Haas Co**
PLIASIZE: Glue—Swift & Co, Adhesive Products Dept
PLIOBOND: Adhesives—Goodyear Tire & Rubber Co, Chem Div
PLIOFLEX RUBBER: Rubber, butadiene; Styrene—Goodyear Tire & Rubber Co, Chem Div
PLIOGRIP: Adhesives, sealing, caulking materials—Goodyear Tire & Rubber Co, Chem Div
PLIOLITE: Resin solutions; Polybutadiene & styrene butadiene latices; Rubber reinforcing resins—Goodyear Tire & Rubber Co, Chem Div
PLIOVIC: Polyvinyl chloride resins—Goodyear Tire & Rubber Co, Chem Div
PLUMB-O-SIL: Stabilizer, vinyl—**National Lead Co**
►**PLURACOL:** Glycols—**WYANDOTTE CHEMS CORP**
►**PLURONIC:** Polyoxyalkylene glycol block polymer—**WYANDOTTE CHEMS CORP**
PLUTO: Dyes, direct—**General Dyestuff Co**
PLUTOFORM: Dyes, direct—**General Dyestuff Co**
PLUVOL-SILICONE: Water repellent—Inertol Co
PLUVOTEX: Masonry paint, weather-resistant enamel—Inertol Co
►**PLYAC:** Spreader-sticker—**ALLIED CHEM CORP, GENERAL CHEM DIV**
PLYAMAUL: Adhesives, polyvinyl acetate—Reichhold Chems, Inc
PLYMASTER: Industrial adhesives—Rubber & Asbestos Corp
PLYMAX: Glues & adhesives—A Adler & Son
PLYO-O-FAB: Softener, leather-like fabric—Dixo Co
PLYOPHEN: Resins; Adhesives; Varnishes—Reichhold Chems, Inc
PLYOWAX: Wax—Diversey Corp
PLYREZ: Polyvinyl & resin emulsions—A Adler & Son
POLAR: Dyes, acid—**Geigy Dyestuffs Div**
POLARSOLS: Esterized oils—Seaboard Chems
POLECTRON: Water-emulsion copolymers—**Antara Chems Div**
POLIDASE: Vegetable enzymes—Schwarz BioResearch
POLITOL: Lignin-phosphate complex—W Va Pulp & Paper Co, Polychems Div
►**POLLYPHOS:** Defluorinated phospate, additive for animal & poultry feeds—**HOOKER CHEM CORP, PHOSPHORUS DIV**
POL-NU: Pentachlorophenol preservative, gelled—Chapman Chem Co
POLOX: Fluid solder—Lox Mfg Co
POLY-ALCOL: Ink—Clarmeont Pigment Dispersion Corp
POLYCIN: Castor oil, processed; Rubber softener—**Baker Castor Oil Co**
POLYCIZER: Plasticizers—**Harwick Standard Chem Co**
POLYCLAR: Polyvinyl pyrrolidone—**Antara Chems Div**
POLYCO; 522: Resin emulsions adhesives; Polyvinyl acetate emulsions—Borden Chem Co
POLY-CONE: Mold lubricants—National Polychems
POLYCRYL: Synthetic resin emulsions & solutions—Borden Chem Co
POLYEEN: Textile softeners—Scholler Bros
POLY-EP: Products—D J Peterson Co
POLY-ETH; DI-D: Polyethylene resins—Spencer Chem Co
POLYFAX: Lacquers, enamel—Interchem Corp, Finishes Div
POLYFIL: Fillers—**J M Huber Corp**
POLYFILM: Polyethylene film—**Dow Chem Co**
POLYFLEX: Ink—California Ink Co
POLYFLO 100; 120; 130: Petroleum dispersing agent—**Universal Oil Products Co**
POLYFLUORON: Coatings; Molding powders—Acme Resin Corp
POLYFON: Sodium lignosulfonate—W Va Pulp & Paper Co, Polychems Div
POLY-G: Polyethylene glycol—**Olin Mathieson Chem Corp**
POLYGARD: Rubber stabilizer—Naugatuck Chem Div
POLYGRIP: Ink—California Ink Co
POLY-MAG: Magnesium oxide—National Polychems
►**POLYMEKON:** Petroleum wax—**WARWICK WAX DIV**
POLYMER 59: Emulsions—**Acme Shellac Products Co**
POLYMERIN: Enamels, baking—Interchem Corp, Finishes Div
►**POLYMUL:** Polyethylene emulsions, textile—**NOPCO CHEM CO**
POLYNAM: Multicolor finishes—Duralac Chem Corp
POLYOX: Water-soluble resins—**Union Carbide Chems Co**
POLY-PALE: Resins—**Hercules Powder Co**
POLYPEPTIDE 37: Sodium polypeptide—Maywood Chem Works, Div Stepan Chem Co
POLYPET: Petroleum hydrocarbon resin—Crowley Tar Products Co
POLY-PHEN: Phenolic resins—National Polychems
POLYPRENE: Enamels, vinyl organisol—Interchem Corp, Finishes Div
POLY-PRO: Polypropylene resins—Spencer Chem Co
POLYRAD: Corrosion inhibitors—**Hercules Powder Co**
POLY-RIA: Urea—National Polychems
POLYSAN: Fat liquors—Reilly-Whiteman-Walton Co
►**POLYSEAL:** Dairy waxes—**SUN OIL CO**
POLYSEAMSEAL: Caulking compound—L W Ferdinand & Co
POLY-SOLV: Products—**Olin Mathieson Chem Corp**
POLYSPERM: Blown sperm oil—Archer-Daniels-Midland Co
POLY-SPERSE: Rubber processing aid—National Polychems
POLYSUL: Lime sulfur—Miller Products Co
POLY-TERGENTS: Detergents, nonionic—**Olin Mathieson Chem Corp**
POLYTHERM: Silicone enamels—Interchem Corp, Finishes Div
POLYTOOL: Tooling compounds—Reichhold Chems Inc
PONDEROL: Brominated apricot kernel oil—Sterol Derivatives
PONKOTE: Enamels, acid-resisting—Inertol Co
POOL-CLOR: Calcium hypochlorite—**Pennsalt Chems Corp**
►**POROCEL:** Activated bauxite dessicant—**MINERALS & CHEMS PHILIPP CORP**
POSTREAT: Preservatives, wood—Miller Products Co
►**POTNIT:** Potassium nitrate—**BERKSHIRE CHEMS INC**
POWER-PAK: Detergents—**Pennsalt Chems Corp**
POWERPHYL: Cleaner—Fuld Bros
►**POWERTOL:** Dynamite—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
POXITAR: Coating, coal-tar epoxy—Inertol Co
►**PREDISPERSED HT; S-22:** Paper clays—**MINERALS & CHEM CORP OF AMERICA**
PREGEST: Drycleaner—Wallerstein Co
►**PREMAX:** Coating clay—**GEORGIA KAOLIN CO**
PREMERGE: Weed killer—**Dow Chem Co**
►**PREMIER:** Coating clay—**GEORGIA KAOLIN CO**
PREMOSE: Malt syrup—Pabst Brewing Co
PRENTOX: Insecticides—Prentiss Drug & Chem Co
PREP: Detergents—Essential Chems Co
PRE-PRIMER BONDERITE: Wash primer for metal—Tropical Paint Co
PRESERV-O-SOTE: Creosote wood preservative—Crowley Tar Products Corp
PRESTONE: Anti-freeze—Union Carbide Consumer Products Co
PREV: Dispersant—Essential Chems Co
PREVENTOL: Textile fungicides—**Antara Chems Div**
PRIMATUBE: Blasting cap & explosive cartridge—**Hercules Powder Co**
PRIMENE: Alkylamines, tertiary—**Rohm & Haas Co**
PRIMINOX: Alkylamines, tertiary—**Rohm & Haas Co**
PRIMOL: White mineral oil—**Esso Standard Oil**
PRINT BRITE: Flexo ink for polyethylene-to-cellophane extrusion laminations—Claremont Pigment Dispersion Corp
PRO-80: Vital wheat gluten—**General Mills, Specialty Products Div**
PROCHEM: Corrosion inhibitors—**Pro-Chems, Inc**
PRODAG: Graphite, semi-colloidal, in water—**Acheson Colloids Co**
PRO-EX: Alkyl aryl sulfonates—**Process Chems Co**
PRO-FAX: Polypropylene—**Hercules Powder Co**
PROFOAM: Detergents—**Process Chems Co**
►**PRO-GEN:** Arsanilic acid growth stimulant for poultry & swine—**ABBOTT LABS**
PROKURE: Polymerization accelerators—**Process Chems Co**
PROLASE: Industrial enzymes—**Wallerstein Co**
PROLYTE: Amphoterics—**Process Chems Co**
PROMEEN: Emulsifiers, cationic—**Process Chems Co**
PROMIDE: Fatty amide condensates—**Process Chems Co**
PROMULGEN: Fatty alcohol condensate—Robinson Wagner Co

PROMYR: Isopropyl myristate—Robinson Wagner Co
PRONON: Polyoxyalkalene condensates—Process Chems Co
PROPAL: Isopropyl palmitate—Robinson Wagner Co
PROPASTE: Lauryl sulfates—Process Chems Co
PRO-PEN: Antibiotic-vitamin feed—Merck Chem Div
PROPODUOMEEN: Propoxylated diamines—Armour Industrial Chem Co
PROPRIME: Corrosion inhibitors—Process Chems Co
PROSEPT: Quaternary ammonium compounds—Process Chems Co
PROSOL: Emulsifiers, nonionic—Process Chems Co
PRO-STREP: Antibiotic mixture, feed use—Merck Chem Div
►**PROTAN:** Sodium formate—VICTOR CHEM WORKS
PROTARGOL: Products—Winthrop Labs
►**PRO-TEK:** Protective hand cream—DU PONT, FABRICS & FINISHES DEPT
►**PROTEK-SORB 121 & 88:** Dessicants—DAVISON CHEM DIV
PROTEKTOL: Coatings, strippable—Interchem Corp, Finishes Div
PROTESAL: Chillproofing compound—Schwarz BioResearch
PROTETHYL: Products—Florasynth Labs
PROTHANE: Polyethlene resins—Process Chems Co
►**PROTOBORE:** Protoveratrines A B—S B PENICK & CO
►**PROTOL:** Mineral oil; Cosmetic chems—SONNEBORN CHEM & REFINING CORP
PROTOLIN: Hydrosulfites & sulfoxylates—Rohm & Haas Co
►**PROTOPET:** Petrolatum—SONNEBORN CHEM & REFINING CORP
PROTOVAC: Modified caseins—Borden Chem Co, Casein Dept
PROTOVAN: Products—Florasynth Labs
PROTOX: Zinc oxide—New Jersey Zinc Co
PROTOZYME: Enzymes, desizing agents — Jacques Wolf & Co
PROTYL: Alkyl fatty esters—Process Chems Co
PRO-VIM: Vital wheat gluten—General Mills, Specialty Products Div
PROVINITE: Stabilizer, vinyl—National Lead Co
PROWET: Detergents, nonionic-anionic—Process Chems Co
PROX: Coatings, corrosion control—Kano Labs
PRYM: Reactants, textile—Warwick Chem Div
PULGITE: Fullers earth—Magnet Cove Barium Corp
PURAGON: Argon, high-purity—Air Products, Inc
PURAIR: Air purification by means of activated charcoal—Barnebey-Cheney Co
PURASAN: Germicides—Guard Chem Corp
PURASEED: Seed disinfectant—Guard Chem Corp
PURASIST: Fungicides—Guard Chem Corp
PURATIZED: Fungicides, bactericides—Guard Chem Corp
PURATURF: Turf fungicide—Guard Chem Corp
PURAYONIER: Cellulose, wood—Rayonier, Inc
►**PURECAL:** Calcium carbonate—WYANDOTTE CHEMS CORP
PURE-LOK: Adhesives—National Starch & Chem Corp
PURIDRYER: Gas drying equipment—Engelhard Industries
PURITE: Soda ash—Olin Mathieson Chem Corp
PURITOSE: Corn syrup—Corn Products Co
PUTROL: Deodorants—Frizsche Bros
►**PYDRAUL:** Fire-resistant hydraulic fluid—MONSANTO CHEM CO
►**PY-RAN:** Monobasic calcium phosphate—MONSANTO CHEM CO
►**PYRANOL:** Dielectric; Heat-transfer fluid—MONSANTO CHEM CO
PYRATEX: Latices, vinyl pyridine—Naugatuck Chem Div
PYRAX: Prophyllite—R T Vanderbilt Co, Specialties Dept
PYRAZOL: Dyes, direct—Sandoz, Inc
PYRENONE: Combinations, tech piperonyl butoxide & pyrethrins—Fairfield Chems Div
PYRIDOSE: Pyridylmercuric acetate-Mallinckrodt Chem Works
►**PYROBOR:** Anhydrous borax—AMERICAN POTASH & CHEM CORP
PYROCAT: Catalysts—MacKenzie Chem Works
PYROCIDE: Insecticide concentrates—McLaughlin Gormley King Co
PYROLOY: Resins—Raybestos-Manhattan
PYRONYL: Pyrethrum—Prentiss Drug & Chem Co
►**PYROSET:** Fire retardant—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
PYROTARD: Fireproofer, textile—Scientific Chems
PYSEAL: Sealing cement—Fisher Scientific Co

Q

Q-X QUEBRACHO: Drilling mud chem—Magnet Cove Barium Corp
Q-BROXIN: Drilling mud conditioners, emulsifiers — Puget Sound Pulp & Timber Co
Q-CHROME: Cements, refractory—Quigley Co
QMV: Beryllium metal—Brush Beryllium Co
►**QO:** Furna Chems—QUAKER OATS CO
Q-ROK: Quartzite abrasive—Pennsylvania Glass Sand Corp
QUADRAFOS: Sodium phosphate, tetra—Rumford Chem Works
►**QUADREX:** Vitamin concentrates—NOPCO CHEM CO
►**QUADROL:** N,N,N1,N1,-Tetrakis (2-hydroxypropyl) Ethylenediamine—WYANDOTTE CHEMS CORP
►**QUAKERAL:** Furfural—QUAKER OATS CO
QUAKER BLUE: Laundry blueing—Pennsalt Chems Corp
►**QUAKERSOL:** Proprietary alcohol solvent—COMMERCIAL SOLVENTS CORP
►**QUALEX:** Drilling mud additive—DU PONT, EXPLOSIVES DEPT
QUAT-O-BRITE: Quaternary ammonium compounds — Britex Corp
QUATRON: Oil soluble quaternary fungicide—Fine Organics
►**QUESTEX:** Acid, ethylene diamine tetra-acetic—VICTOR CHEM WORKS
QUICK BRITE: Aluminum surface brightener—Pennsalt Chems Corp
QUICKLIGHT: Solid carburizer—E F Houghton & Co
QUICKSAN-C: Bactericide, fungicide—Norton Chem Works
QUICKSET: Organic peroxide catalyst—US Peroxygen Corp
QUICK-TACK: Products—Benjamin Foster Co
QUIGLEY APC: Acidproof cements—Quigley Co
QUIKMIL: Concentrate—Claremont Pigment Dispersion Corp
►**QUILON:** Chrome complex—DU PONT, INDUSTRIAL & BIOCHEMS DEPT
►**QUINTUS QUARTZ:** Silica—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
QUIXSOL: Proprietary alcohol solvent—COMMERIAL SOLVENTS CORP
►**QUSO:** Silica, finely divided—PHILADELPHIA QUARTZ CO
QUIST: Products—Chemical Compounding Corp

R

►**R-2 CRYSTALS:** Rubber accelerator—MONSANTO CHEM CO
RA: Mold release agent—Naico Chem Co
R-B-H: Pigment dispersions—Interchem Corp, Color & Chems Div
RC: Plasticizers, latex—Rubber Corp of America
RCE: Etchant, printed circuit—Philip A Hunt Co
RCI: Industrial chemicals & monomeric plasticizers—Reichhold Chems, Inc
RD-150: C: Platinum reforming catalysts—Engelhard Industries
RMP: Antimony—Rare Metal Products Co
R S R: Pre-spotter, drycleaning—Wallerstein Co
►**RZ-50-A; RZ-50-B:** Rubber accelerators—MONSANTO CHEM CO
RADAPON: Weed killer—Dow Chem Co
RADIANT JELL: Cleaning & polishing compound—Uncle Sam Chem Co
RADIANT RED: Pigment—Ansbacher-Siegle Corp
RADIANT YELLOW: Pigment—Ansbacher-Siegle Corp
RADIOR: Cleaner—DuBois Co
►**RAIBOW:** Fertilizer, mixed—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
RALDEINE: Perfume chemical, methyl ionine — Givaudan-Delawanna
►**RAMAPO:** Pigments—DU PONT, PIGMENTS DEPT
RAMASOL: Textile water repellent—Antara Chems Div
RAMUC MILDEW-RESISTANT: Paints, damp-resisting—Inertol Co
RAMUC UTILITY: Enamels; Paints—Inertol Co
RANAREX: Gas analyzer—Permutit Co
►**RANDOX:** Weed killer—MONSANTO CHEM CO
RANEDARE: Water repellants, textile—Metro-Atlantic, Inc
RAPICIDIN: Tyrocidine hydrochloride—Wallerstein Co
RAPIDASE: Desizing agents, textile—Wallerstein Co
RAPIDOGEN: Dyes, azoic—General Dyestuff Co
►**RAREOX:** Glass polishing compound—DAVISON CHEM DIV
RASORITE 46, 64: Sodium borate concentrates — U S Borax
RAVEN: Carbon black—Columbian Carbon Co
RAYACETA: Cellulose, wood—Rayonier, Inc
RAY-BOND: Adhesives—Raybestos-Manhattan
RAYBOND: Cellulose, wood—Rayonier, Inc
RAYBRITE: Cellulose, wood—Rayonier, Inc
RAYDEX: Alkaline cleaner—Pennsalt Chems Corp
RAFLO: Drilling mud conditioner—Rayonier, Inc
RAYCORD: Cellulose, wood—Rayonier, Inc
RAYOGLOS: Latex semiglass enamel—California Products Corp
RAYOX: Titanium dioxide—R T Vanderbilt Co
RAYPHOTO: Cellulose, wood—Rayonier, Inc
RAYTONE: Paint, calsamine—A Adler & Son
RAYWEB: Cellulose, wood—Rayonier, Inc
RAX POWDER: Warfarin—Prentiss Drug & Chem Co
RAZE: Stripper, paint—DuBois Co
REACTONE: Dyes, reactive—Geigy Dyestuffs Div
REALITE: Hose for fluid & gas—Borden Chem Co
REAX: Phenolic resin coreactants— W Va Pulp & Paper Co
RED DIAMOND: Phosphate fertilizers — J R Simplot Co
REDDON: Brush killer—Dow Chem Co
RED DOT: Smokeless powder—Hercules Powder Co
RED H: Dynamite—Hercules Powder Co
RED MARVEL: Metal polish—Uncle Sam Chem Co
RED STAVE: Wallpaper paste—Hercules Powder Co
REDICOTE: Asphalt additives—Armour Industrial Chem Co
REE-ROOT: Products—Thompson Chems Corp
REFRASIL: Insulation, high temperature—H I Thompson Fiber Glass Co
REGAL: Oil furnace carbon black—Cabot Corp
►**REGENT 12XX:** Calcium phosphate—VICTOR CHEM WORKS
REICOTE: Foundry sand coating agent—Reichhold Chems, Inc
RELEASA GEM: Mold release agent for plastics—General Mills, Specialty Products Div
RELEASE: Dehairing compound—DuBois Co
REMO: Liquid glue—Swift & Co, Adhesive Products Dept
►**REOSIL:** Water treatment grade magnesia—FMC CORP, MINERAL PRODUCTS DIV
RENACIDIN: Pharmaceutical—Guardian Chem Corp
RENEX: Detergents, nonionic—Atlas Chem Industries, Chems Div
RENITE: Lubricants—Renite Co
REOGEN: Plasticizer for rubber—R T Vanderbilt Co
REPELLENE: Textile water repellent emulsions — Glover M Birk
RESILITH: Cement filler; Flooring mastic — Borden Chem Co
►**RESIMENE:** Melamine—MONSANTO CHEM CO
RESINEX: Resin—Harwick Standard Chem Co
RESINITE: Thermoplastic synthetic resins; Insulated wire & Cable; Garden hose, sprinklers—Borden Chem Co
►**RESINOX:** Binders, core & shell molding—MONSANTO CHEM CO
RESISTO: Floor wax—Uncle Sam Chem Co
RESLAC: Plastisols, adhesives — Borden Chem Co
►**RESLOOM:** Textile finishing agents—MONSANTO CHEM CO
RESMETAL: Metallic patching, repairing pastes—Borden Chem Co
RESODOR: Deodorant-reodorant—Sindar Corp
RESOFORM: Dyes, plastic—Collway Pigments
RESOFLEX, R-749: Plasticizers, resin—Cambridge Industries
RESONET: Textile binder—E F Houghton & Co
RESOPEL: Textile stiffener—Maher Color & Chem Co
RESORB: Solvent recovery equipment—Barnebey-Cheney Co
RESORSABOND: Resorcinol resins—American-Marietta Co
RESWAX: Wax emulsions—Borden Chem Co
RESYN: Resin-based adhesives—National Starch & Chem Corp
RESYN;-LOK: Adhesives—National Starch & Chem Corp
RETARDEX: Vulcanization retarder—C P Hall Co
RETARDINE: Products—Standard Chem Products
RETARDION: Ion exchange resin—Dow Chem Co
►**RETARDWEL:** Water-reducing, set-controlling cement additive—JOHNS MANVILLE
RETROL: Products—Filtrol Corp
►**REVIVO BOND:** Clay, fire—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
►**REVIVO FIRE CLAY:** Refractory clay—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
REX: Corn syrup—Corn Products Co
REXD: Products—Emkay Chem Co
REXPAR: Waterproof varnishes—Sherwin-Williams Co
REXYN: Ion-exchange resins—Fisher Scientific Co
REYNOBOND: Vinyl-metal primers, adhesives—Reynolds Chem Products Co
REYNOFOAM: Vinyl, polyurethane foams—Reynolds Chem Products Co
REYNOSOL: Plastisols, organosols—Reynolds Chem Products Co
REZYL: Surface coating resins—American Cyanamid Co, Plastics & Resins Div
RHINAMEL: Products—Tropical Paint Co
RHODULINE: Dyes, basic—General Dyestuff Co
RHONITE: Resins, textile finishes—Rohm & Haas Co
RHOPLEX: Resins, suspension, dispersions — Rohm & Haas Co
RHOTEX: Synthetic resin finishes; Thickening agent —Rohm & Haas Co
RHOTHANE: Dichlorodiphenyl-dichloroethane, Insecticide—Rohm & Haas Co
RHOZYME: Enzymes, desizing agent—Rohm & Haas Co
RIBO-PABST: Riboflavin feed supplements—Pabst Brewing Co
►**RICCO:** Air-conditioning agents—ONYX CHEM CORP
RIGITHANE: Polyurethane resins for rigid & semi-rigid foams—Thiokol Chem Corp
RIGORTEX; PRIMER: Paints, metal primers, enamels —Inertol Co
RILA: Fluorescent pigments—Rhode Island Labs
RINCONTROL: Wrinkle enamel—Interchem Corp, Finishes Div
RINORI: Liquid detergent—Britex Corp
RINGOTS: Rare earth products—Mallinckrodt Chem Works
RINSITE: Rinsing additive—Oakite Products
RIP: Paint stripper—DuBois Co
ROACHKILL: Insecticide—Uncle Sam Chem Co
ROBANE: Pharmaceuticals, cosmetics vehicle—Robeco Chems
ROBITE WAXES: Ozokerite blends—Robeco Chems
ROBYL: Bleached cocoa butter—Robeco Chems
ROCETACEUMS: Spermaceti derivatives — Robeco Chems
ROCETAMIDE: Cosmetics bases—Robeco Chems
ROCKAMSTER: Electric blasting caps—Atlas Powder Co, Explosives Div
ROCK COAT;-XX: Anti-corrosion coating; Underground protective coating—Continental Coatings Corp
ROCKPORT: Limes—Cutler-Magner Co
ROCKSEAL: Solvent resistant coating—West Chester Chem Co
ROCOAT: Taste-free coated vitamins B_1, B_2, B_6 Niacinamide for chewable vitamin tablets—Hoffmann-LaRoche
RO-DETH: Rodenticide—United-Heckathorn
RODUSTO: Insecticides, farm, garden—Miller Products

ROKON: Corrosion inhibitor—R T Vanderbilt Co
ROLLFIXE: Laundry sour—**H Kohnstamm & Co**
ROLOX ADHESIVE: Paint rollers—H V Hardman Co
ROLTITE: Contact cements—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
RONGALITE: Assistants, vat printing—**Antara Chems Div**
ROOTICATE: Root control chem—**Faesy & Besthoff**
ROSANLIX: Perfume bases—**Fritzsche Bros**
ROSEBANK: Pigment—**Ansbacher-Siegle Corp**
►**ROSSVILLE:** Industrial alcohols—**COMMERCIAL SOLVENTS CORP**
ROTAX: Corrosion inhibitor—R T Vanderbilt Co, specialties Dept
ROTEFIVE: Insecticides, farm, garden—Miller Products Co
ROTEFOUR: Insecticides, farm, garden—Miller Products Co
ROTENOL: Insecticides, farm, garden—Miller Products Co
ROXTONE: Oil, black—**Esso Standard Oil**
ROYAL OAK: Charcoal—Crossett Chem Co
ROYAL-WORCESTER: Leather oils—White & Bagley Co
ROXAPRENE: Chlorinated rubber enamels—Interchem Corp, Finishes Div
ROWAX: Lanolin, wax esters—Robinson Wagner Co
RUBAMOX RED: Red pigments—**Sherwin-Williams Co**
RUBARITE: Asphalt additives—Goodyear Tire & Rubber Co, Chem Div
RUBARS: Rubber dispersing agent; Plastic mold lubricant—DuBois Co
RUBINOL: Dyes, acid—**General Dyestuff Co**
RUB'R-LITH: Rollers—California Ink Co
RUB'R-PRINT: Rollers—California Ink Co
RUCOAM: Plastic film & sheeting—Rubber Corp of America
►**RUFERT:** Nickel catalyst—**HARSHAW CHEM CO**
RUGLIDE: Rubber lubricant—American Grease Stick Co
►**RULAN:** Flame retardants, plastic—**DU PONT POLYCHEMS DEPT**
RUMEX: Products—**Vitamins, Inc**
RUSTARMOR SYSTEM: Enamels, anti-rust; Primer—Inertol Co
RUST-BAN: Rust preventive—**Esso Standard Oil**
RUST-FOIL: Rust preventative—Franklin Corp
RUSTIB: Paint corrosion inhibitor—Raybo Chem Co
RUSTIKOTE: Paint for rust, metal—Tropical Paint Co
RUST MAGIC: Metal primer—Krylon, Inc
RUST RELEASE: Penetrant oil—Krylon, Inc
RUSTRIPPER: Detergents—Oakite Products
RUST VETO: Rust preventive—E F Houghton & Co

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6C: Beryllium oxide—Brush Beryllium Co
6-12; Insect repellent—**Union Carbide Chems Co**
►**7:** Polish; Rubbing compound—**DU PONT, FABRICS & FINISHES DEPT**
731: Resins—**Hercules Powder Co**
►**S 35:** Sodium silicate—**PHILADELPHIA QUARTZ CO**
S-87: Glue & adhesives—Borden Chem Co
SAR: Anion exchange resin—Naico Chem Co
SBR: Anion exchange resin—Naico Chem Co
SC: Preservative, fungicide—Guard Chem Corp
SC: Plasticizer—E F Drew & Co
SCE: Etchant, printed circuit—**Philip A Hunt Co**
SL Chemicals, electronic—**Mallinckrodt Chem Works**
SM: Ferrochrome—**Union Carbide Metals Co**
SMA: Resin—Texas Butadiene & Chem Corp
SMZ: Inoculant for reducing chill in cast iron—Union Carbide Metals Co
SO: Wetting agent—**Oronite Div**
SOA: Sucrose octa acetate—**Union Carbide Chems Co**
SP: Scale preventatives—Tretolite Co Div
SPD-GH: Rubber accelerator—C P Hall Co
SQ: Veterinary sulfaquinoxaline—**Merck Chem Div**
►**S-Q PHOSPHATE:** Glassy sodium phosphate—**MONSANTO CHEM CO**
►**SRHS:** Chromium plating compounds—**METAL & THERMIT CORP**
SWP: House paints—**Sherwin-Williams Co**
SABADUSTO: Insecticides, farm, garden—Miller Products Co
SACCO: Fertilizer products—**Smith-Douglass Co**
SACON: Permanent size, drycleaning—Wallerstein Co
SAF: Cleaner—Du Bois Co
SAFARITONE: Optical bleaches—**Hilton-Davis Chem Co Div**
SAFETY-LINEN: Sours, laundry—**Diamond Alkali Co**
SAFEX: Accelerator, rubber—Naugatuck Chem Div
SAFF-O-LIFE: Edible grade safflower oil—**General Mills, Specialty Products Div**
►**SAFLEX:** Vinyl butyrate—**MONSANTO CHEM CO**
SAFRELLA: Sassafras, artificial—**Fritzsche Bros**
SAFTEE DUCT-FAS 81-99: Insulation bonding adhesive, fire resistant—Benjamin Foster Co
SAFTEE MASTIC 60-80: Asphalt protective coating, fire resistant—Benjamin Foster Co
SAFTEE SOLVENTS: Maintenance chems—**Fine Organics**
►**SAF-T-PAK:** Explosive—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
SAT-T-SOL: Industrial and insecticide solvent—Crowley Tar Products Co
ST JOE: Lead; Zinc; Zinc oxide—**St Joseph Lead Co**
SALAMAC: Brick ammonium chloride—**J F Henry Chem Co**
SALTGEL: Fullers earth drilling mud—Magnet Cove Barium Corp
SALVINOL: Products—**Florasynth Labs**
SAMPSON: Glue—**Swift & Co, Adhesive Products Dept**
SAMSON: Cleaners—**Diamond Alkali Co**
SANCO: Products—Monroe Sander Corp
SANDOCYL: Dyes, synthetic fibers—**Sandoz, Inc**
SANDOFIX: Textile specialty—Sandoz, Inc
SANDOPAN: Detergents, anionic—Sandoz, Inc
SANDOTHRENE: Detergents, anionic; Dyes—Sandoz, Inc
SANGAMO: Starches, textile—A E Staley Mfg Co
SANI-BOWL: Bowl cleaner—Uncle Sam Chem Co
SANISEPTOR: Spray cleaning instrument—Oakite Products
SAN-KO: Textile soap—**H Kohnstamm & Co**
►**SANTICIZER:** Resin plasticizer—**MONSANTO CHEM CO**
►**SANTOBRITE:** Industrial preservative, fungicide & herbicide—**MONSANTO CHEM CO**
►**SANTOCEL:** Silica aerogel—**MONSANTO CHEM CO**
►**SANTOCHLOR:** Dyestuff intermediate, deodorant & mothicide—**MONSANTO CHEM CO**
►**SANTOCURE:** Rubber accelerator—**MONSANTO CHEM CO**
►**SANTOFLEX:** Rubber antioxidant—**MONSANTO CHEM CO**
►**SANTOFOME:** Foamed styrene sheet material—**MONSANTO CHEM CO**
►**SANTOLENE:** Corrosion & rust inhibitor—**MONSANTO CHEM CO**
►**SANTOLITE:** Synthetic resin—**MONSANTO CHEM CO**
►**SANTOLUBE:** Petroleum additive—**MONSANTO CHEM CO**
►**SANTOMASK:** Odor masking agent—**MONSANTO CHEM CO**
►**SANTOMERSE:** Wetting agents—**MONSANTO CHEM CO**
►**SANTOPHEN 1:** Disinfectant—**MONSANTO CHEM CO**
►**SANTOPOID:** Oil additives—**MONSANTO CHEM CO**
►**SANTOPOUR:** Petroleum products—**MONSANTO CHEM CO**
►**SANTOQUIN:** Antioxidant, carotene preservation—**MONSANTO CHEM CO**
►**SANTOSITE:** Sodium sulfite anhydrous—**MONSANTO CHEM CO**
►**SANTOTAN:** Tanning extracts—**MONSANTO CHEM CO**
►**SANTOVARA:** Rubber antioxidant—**MONSANTO CHEM CO**
►**SANTOWAXES:** Plasticizer—**MONSANTO CHEM CO**
►**SANTOWHITE:** Rubber antioxidant—**MONSANTO CHEM CO**
SARALOY: Plastic sheet—**Dow Chem Co**
SARKOSYL: Surfactants, acylated amino acids—Geigy Industrial Chems
SARTORIUS NO 1: Oil, ylang ylang—**Fritzsche Bros**
SASSAFROL: Oil, substitute sassafras—**Fritzsche Bros**
SASSEN: Odorant—**Sindar Corp**
SATIN GLOS: Floor wax—Uncle Sam Chem Co
SATINETTE: Laundry starch—Keever Starch Co
►**SATINTONE:** Clays, coating & filler—**MINERALS & CHEMS PHILIPP CORP**
SATUROL: Solvent, metal degreasing—Oakite Products
SATURSEAL: Pipe joint sealant—Crowley Tar Products Co
SAV-A-DAY: Sodium hypochlorite—Barton Chem Co
SAVANOL: Leather treating compounds—**Antara Chems Div**
SAVAROME: Odorant—**Sindar Corp**
SAVE-LITE: Finishes, interior—**Sherwin-Williams Co**
SAV-ON: Disinfectants; Deodorants—Uncle Sam Chem Co
SAVONAFIX: Fixatives perfumes—**Fritzsche Bros**
SCAV-OX: Chemical scavenger—**Olin Mathieson Chem Corp**
SCENTINEL: Mercaptans; Gas ordorants—**Phillips Petroleum Co, Special Products Div**
SCHOLLERIZE: Finishes, textile—Scholler Bros
SCINTILLATOR B: Plastic scintillators—Pilot Chems, Inc
SCORBORD: Expanded polystyrene boards—**Dow Chem Co**
SCOTCH: Products—Minnesota Mining & Mfg Co, Adhesives, Coatings & Sealers Div
SCOTCH-'EM: Insecticides—**Pennsalt Chems Corp**
SCOTCHFOAM: Products—Minnesota Mining & Mfg Co, Adhesives, Coatings & Sealers Div
SCOTCHGARD: Oil & water repellents — Minnesota Mining & Mfg Co, Chem Div
SCOTCH-TOP: Products—Minnesota Mining & Mfg Co, Adhesives, Coatings & Sealers Div
SCOTCHWELD: Structural adhesives—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
SCRAM: Dog repellant—California Spray-Chem Corp
►**SCRIPTITE:** Resins, impregnating—**MONSANTO CHEM CO**
SEABOND: Pigments & pigment dispersions—**Hilton-Davis Chem Co Div**
SEAKEM: Irish moss extract—Marine Colloids, Inc
SEAL: Products—**Mississippi Lime Co**
►**SEAL:** Adhesives—**PHILADELPHIA QUARTZ CO**
SEA-LAC: Products—Duralac Chem Corp
SEALEAK: Low pressure boiler leak sealer—Amplon Corp
SEALFAS MASTIC GRAY 31-94: Protective coating—Benjamin Foster Co
SEALOL: Oil, refrigerator—**Esso Standard Oil**
SEALZ: Thermoplastic rubber—Naugatuck Chem Div
►**SEAMAG:** Neoprene grade magnesia — **FMC CORP, MINERAL PRODUCTS DIV**
SEAM-IT: Carpet binding material—Borden Chem Co
►**SEA SORB:** Magnesia, adsorptive—**FMC CORP, MINERAL PRODUCTS DIV**
SEATANG: Water treatment, swimming pool—Feedwaters Inc
SEATONE: Textile pigments—**Hilton-Davis Chem Co Div**
SEBACOL: Dehairing compounds, tanners—Wallerstein Co
SEBASE: Skin, mucous membrane base—**Robeco Chems**
SECCO: Rubber-makers' clays—Southeastern Clay Co
SEECOMUL: Emulsifier, drilling fluid, oil well—Crosset Chem Co
SECCOTOL: Crude tall oil—Crossett Chem Co
SEEDINE: Stearic acid replacement—Woburn Chem Co
SEGLENE: Chelating agents—**Pfanstiehl Labs**
SEILIANS: Oil, flower—**Fritzsche Bros**
SELECTUS: Dry animal glue—Swift & Co, Adhesive Products Dept
SELENAC: Accelerator for rubber—R T Vanderbilt Co
SELLOGEN: Detergents; Alcohols—Jacques Wolf & Co
►**SEMESAN:** Seed disinfectant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**SEMESAN BEL:** Dip disinfectant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
SEMI-LUSTRE: Interior semi-gloss enamels—**Sherwin-Williams Co**
SENTRY: Food fungistats—**Union Carbide Chems Co**
SEPARAN 2610: Flocculating agent—**Dow Chem Co**
SEPTO-SOUR: Sours, laundry—**Diamond Alkali Co**
SEQUESTRENE: Metal chelates—Geigy Industrial Chems
SEQUET: Cleaners, bottle—**Diamond Alkali Co**
SERAFUME: Grain fumigant—**Dow Chem Co**
SER-A-SIL: Adsorbent; Dusting powders—Summit Mining Corp
►**SERICHROME:** Acid dyes, mordant—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SERICOSE: Binders, textile—**Antara Chems Div**
SERIZYME: Desizing agents, textile—Wallerstein Co
SESONE: Weed killer—**Union Carbide Chems Co**
SEQUESTRENE: Metal chelates—Geigy Agricultural Chems Div
SESQUILATE: Cleaners, alkali—**Diamond Alkali Co**
SETACYL: Dyes, disperse—**Geigy Dyestuffs Div**
SETAMOL: Assistants, textile—**Antara Chems Div**
SETOLE: Textile stiffeners—Warwick Chem Div
SETSIT: Latex accelerator—R T Vanderbilt Co
SETSWELL: Antiskinning agent—Statikil, Inc
SEVIN: Insecticide—**Union Carbide Chems Co**
SHARSTOP: Rubber compounding materials—**Pennsalt Chems Corp**
SHED-A-LEAF: Defoliant—Chipman Chem Co
SHEFTENE: Proteins, milk—Sheffield Chem Div
►**SHELLACOL:** Proprietary alcohol solvent—**COMMERCIAL SOLVENTS CORP**
SHELTER ME: Perfume base—**Florasynth Labs**
SHERDYE: Textile printing colors — **Sherwin-Williams Co**
►**SHEROSOPE:** Sodium sulfonate—**BRYTON CHEM CO**
►**SHOWERTEX:** Water repellent, textile—**Antara Chems Div**
SILANEAL: Silicones for brick treatments—**Dow Corning Corp**
SILASTIC: Rubber, silicone—**Dow Corning Corp**
SILBLOK: Special blocking ferro-silicon — Vanadium Corp of America
►**SILENE:** Calcium silicate—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
SIL-GLYDE: Lubricator silicone — **American Grease Stick Co**
SILIKIL: Amorphous silica insecticide—United-Heckathorn
►**SIL-O-CEL:** Diatomite thermal insulation — **JOHNS-MANVILLE**
SIL TEMP: High silica cloth—Haveg Industries
SILTEMP: Exothermic ferrosilicon—Union Carbide Metals Co
SILVACEL: Whole wood fibers—Weyerhauser Co
SILVACON: Douglas fir bark fractions—Weyerhaeuser Co
SILVAWOOL: Loose-fill, fibrous insulation—Weyerhaeuser Co
SILVERTONE: Nitrocellulose-dispersed metallic powder, leather finishing—**Rohm & Haas Co**
SIMAZINE: Herbicide—Geigy Agricultural Chems Div
SIMPLEX: Paper starches—A E Staley Mfg Co
SIMPLEX: Low-carbon ferrochrome — Union Carbide Metals Co
SI-O-LITE: Acid, silicic—**Mallinckrodt Chem Works**
SIPENE: Tertiary amines—American Alcolac Corp
SIPEX: Anionic detergents, industrial grade—American Alcolac Corp
SIPON: Anionic detergents, cosmetic grade—American Alcolac Corp
SIPONIC: Nonionic detergents — American Alcolac Corp
SIPOSAN: Quaternary ammonium compounds—American Alcolac Corp
SITEX: Detergent—Arol Chem Products
SITURGE: Cleaners, glass—Arol Chem Products
SIZ-A-TIZE: Textile sizing—Dixo Co
SKULITE: Ammonium sulfate—**Schuylkill Chem Co**
►**SKYDROL:** Fire-resistant aircraft hydraulic fluid — **MONSANTO CHEM CO**
SKYTONE: Pigments, textile—**Hilton-Davis Chem Co Div**
SLIP EZE: Polyethylene slip agent—**Fine Organics**
SLUDGE BUDGE: Fuel oil solvent—Uncle Sam Chem Co
SLUGDUSTO: Insecticides, farm, garden—Miller Products Co
SLUGSPRA: Insecticides, farm, garden—Miller Products Co
SLY-MER: Water repellents, textile — **Dow Corning Corp**
SMIDO: Fertilizer products—**Smith-Douglass Co**
SMIROW: Tankage—**Smith-Douglass Co**
SMITHKO KALKARB WHITING: Calcium carbonate — **Smith Chem & Color Co**

SMUT-GO: Chemicals, agricultural—Miller Products Co
SNAP-DRI: Ink—California Ink Co
SNOBRITE: Clay, vinyl flooring quality—Thompson-Weinman & Co
SNOWFLAKE: Calcium carbonate, water ground — Thompson-Weinman & Co
►**SNOW FLOSS:** Amorphous hydrated silica—**JOHNS-MANVILLE**
SOAPALINE: Detergent compound—Britex Corp
SOAPALITE: Soap builder—**Cowles Chem Co**
SOAPTERGENT: Detergents—Essential Chems Co
SOCCI: Fungicides, textile—Scientfic Chems
►**SODA BRIQUETTES:** Sodas, modified—**PITTSBURGH PLATE GLASS CO, CHEM DIV**
►**SODAPHOS:** Sodium tetraphosphate — **FMC CORP, MINERAL PRODUCTS DIV**
SODASORB: Absorbents, acid, gas; Soda lime—Dewey & Almy Chem Div
►**SODIUM AEROFLOAT:** Promoter—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
SOFTEX: Softeners, finishing agents—E F Houghton & Co
SOFT SEAL: Carton sealing adhesive—National Starch & Chem Corp
SOF-TUTCH: Detergents—Essential Chems Co
SOHIOGEN: Ammoniating solutions—Sohio Chem Co
SOHIOGRO: Agricultural urea—Sohio Chem Co
SOILDUSTO: Insecticides, farm, garden—Miller Products Co
►**SOILFUME 85:** Ethylene bromide solution — **FMC CORP, MINERAL PRODUCTS DIV**
SOILSORB: Adsorbent laundry detergent — **Cowles Chem Co**
►**SOLANTINE:** Light-fast direct dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SOLAR: Pigments, paper—**Collway Pigments**
►**SOLASTRAL:** Phthalocyanine pigments — **ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SOLCARBO: Dyes, paper—**General Dyestuff Co**
SOLCUT: Soluble cutting oil—E F Houghton & Co
SOLE-MULSE: Emulsifiers—**Sole Chem Corp**
SOLE-ONIC: Surfactants—**Sole Chem Corp**
SOLESCO: Industrial laundry detergent—**Cowles Chem Co**
SOLE-TERGE: Detergents—**Sole Chem Corp**
SOLFAST BLUE: Blue pigments—**Sherwin-Williams Co**
SOLFAST GREEN: Green pigments—**Sherwin-Williams Co**
SOLFAST RED: Red pigments—**Sherwin-Williams Co**
►**SOLGAS:** Liquified petroleum gases—**SUN OIL CO**
SOLIDOGEN: Fulling compounds—**Antara Chems Div**
SOLITHANE: Polyurethane resins for casting, coatings—Thiokol Chem Corp
►**SOLKA; SOLKA-FLOC:** Cellulose, wood pulp—**BROWN CO**
SOLOPHENYL: Dyes, direct—**Geigy Dyestuffs Div**
►**SOLOX:** Denatured alcohol solvent—**U S INDUSTRIAL CHEMS CO**
►**SOLOZONE:** Sodium peroxide—**DU PONT, ELECTROCHEMS DEPT**
►**SOL-SPEEDI-DRY:** Floor absorbent — **MINERALS & CHEMS PHILIPP CORP**
SOLTROL: Odorless solvents—**Phillips Petroleum Co**
SOL-U-PRO: Protein hydrolysates—**United Chem & Organic Products**
►**SOLVAT:** Leuco ester vat dyes—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SOLVATONE: Solvent—**Union Carbide Chems Co**
SOLVENOL: Terpene solvents—**Hercules Powder Co**
SOLVESPERSE: Pigment dispersions — **Hilton-Davis Chem Co Div**
SOLVESSO: Solvent, aromatic—**Esso Standard Oil**
SOLVIT: Cleaner—Solvit Chem Co
SOLVO: Paraffin removers—Tretolite Co Div
►**SONAQUOL:** Emsulifying oils—**SONNEBORN CHEM & REFINING CORP**
►**SONO-JELL:** Emulsifying oils—**SONNEBORN CHEM & REFINING CORP**
►**SOPANOX:** Antioxidant, soaps—**MONSANTO CHEM CO**
SOPHORA: Perfume base—**Givaudan-Delawanna**
SORAPON: Alkyl aryl sulfonates—**Antara Chems Div**
SORBEAD: Siliceous bead desiccants—Socony Mobil Oil Co
SORBISTAT: Acid, sorbic—**Chas Pfizer & Co**
SORBIT: Surfactant—**Geigy Industrial Chems**
SORBO: Sorbital—**Atlas Chem Industries, Chems Div**
►**SORBO-CEL:** Filter aid—**JOHNS-MANVILLE**
SOROMINE: Softeners, textile—**Antara Chems Div**
SOTEX: Surfactants; Pigments; Plastics; Paints—**Synthetic Chems**
SOUTHERN STAR: Southern bentonite, foundry clay —Magnet Cove Barium Corp
SOYASTYRE: Styrenated soybean oil—Woburn Chem Co
SPAN: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
SPANGLE: Aluminum paint stabilizer—Raybo Chem Co
SPARKETTE: Laundry detergent — **Pennsalt Chems Corp**
SPARKLE: Emulsion bowl cleaner—Uncle Sam Chem Co
SPARKLE: Laundry detergents—**Pennsalt Chems Corp**
SPARMITE: Superfine barytes—**C K Williams & Co**
►**SPECIAL DIAS.ASE:** Enzyme, amylase—**MILES CHEM CO**
SPECTROLENE: Diazo, stabilized—**Hilton-Davis Chem Co Div**
SPECTROSOL: Diazo, stabilized—**Hilton-Davis Chem Co Div**
SPEEDEX: Filter aid, diatomaceous—**Great Lakes Carbon Corp, Dicalite Dept**
SPEEDFLOW: Filter aid, diatomaceous—**Great Lakes Carbon Corp, Dicalite Dept**
SPEED-GLO: Ink—California Ink Co
SPEEDPLUS: Filter aid, diatomaceous—**Great Lakes Carbon Corp, Dicalite Dept**
SPEEDY DRILL: Tall oil soap, drilling mud—Magnet Cove Barium Corp
SPELLITE: Waterproofing cements—West Chester Chem Co
SPEN-AMM: Ammonia, anhydrous—Spencer Chem Co
SPENSOL; GREEN: Ammoniating solutions — Spencer Chem Co
SERGON: Fungicide, seed—Naugatuck Chem Div
SPERMAFOL: Hydrogenated sperm oil—Archer-Daniels-Midland Co
SPHERON: Carbon black, channel—**Cabot Corp**
SPERSENE: Ligno sulfonate, drilling mud—Magnet Cove Barium Corp
SPHINX: Products—Arabol Mfg Co
SPINESSO: Oil, spindle—**Esso Standard Oil**
SPIRACTOR: Cold lime-soda softener—Permutit Co
SPIRALOK: Dynamite cartridges—**Hercules Powder Co**
SPIRALLOY: Continuous filament windings—**Hercules Powder Co**
SPL-ASH: Sodium carbonate briquettes—**Diamond Alkali Co**
SPLIC-IT: Yarn-end binder used in carpets, textiles —Borden Chem Co
SPONGE PASTE: Blowing agent sponge rubber—C P Hall Co
SPOT LEAK: Gas odorants—**Pennsalt Chems Corp**
SPOTRETE: 75% thiuran turf fungicide—**W A Cleary Corp**
SPRADUSTO: Insecticides, farm, garden—Miller Products Co
SPRA-O-CIDE: Insecticides, farm, garden—Miller Products Co
SPRA-OIL: Oils, emulsifiable—Miller Products Co
SPRAY ALL: Insecticides—B R Elk & Co
SPRAY ALL: Liquid cleaner—Sumco Products
SPRAY-FLO: Alkaline cleaner—**Pennsalt Chems Corp**
►**SPRAY SATIN:** Clays, coating—**MINERALS & CHEMS PHILIPP CORP**
SPRAYTEC: Diagnostic reagent, aerosol—Mann Research Labs
SPRAYZON: Cleaner—Uncle Sam Chem Co
SPREADO: Spreaders, agricultural spray—Miller Products Co
SPREX: Cleaner—DuBois Co
SPREX AC: Cleaner—DuBois Co
SQUARE DEAL: Fertilizer products—**Smith-Douglas Co**
►**STABELAN:** Stabilizers—**NOPCO CHEM CO**
STABILIDE: Potassoum Iodide mixture—**Mallinckrodt Chem Works**
STABILITE: Rubber antioxidant—C P Hall Co
STABILITE ALBA: Rubber antioxidant, non-staining—C P Hall Co
STABILITE; ALBA; WHITE: Rubber antioxidant non-staining—**C P Hall Co**
STABLETS: Vitamin b12—**Chas Pfizer & Co**
STABAFOME: Foam stabilizers—**Maher Color & Chem Co**
STACLIPSE: Corn starches—A E Staley Mfg Co
STACRYLIC: Resin emulsions—A E Staley Mfg Co
STADEX: Dextrins—A E Staley Mfg Co
STA-FLAT: Flexible glue—Swift & Co, Adhesive Products Dept
STAFLEX: Plasticizers; Stabilizers—Deecy Products Co
STAFLEX: Flexible glue—Swift & Co, Adhesive Products Dept
STANCO: Carbon black—United Carbon Co
STANDAFIN: Products—Standard Chem Products
STANDAPOL: Products—Standard Chem Products
STANDARD: Feed materials—Milbrew Co
►**STANNOCHLOR:** Stannous chloride—**METAL & THERMIT CORP**
STANTEX: Products—Standard Chem Products
STAN-TONE: Colors—**Harwick Standard Chem Co**
STAPEX: Laundry starch—A E Staley Mfg Co
STA-PUT: High film strength lubricants—E F Houghton & Co
►**STAR:** Chemicals, textile—**PHILADELPHIA QUARTZ CO**
STARBAKE: Wheat starch—**Hercules Powder Co**
STARGUM: Products—Morningstar-Paisley, Inc
STA-RX: Corn starches—A E Staley Mfg Co
STARVIS: Food grade wheat starch—**Hercules Powder Co**
STARWAX: Hard waxes—**Bareco Wax Co**
STA-SOL: Lechithin—A E Staley Mfg Co
STATEX: Carbon black—**Columbia Carbon Co**
STAT EZE: Fiber & plastic anti-stat—**Fine Organics**
STA-THIK: Corn starches—A E Staley Mfg Co
STAYBELITE; STAYBELITE ESTER: Resins; Hydrogenated rosin esters—**Hercules Powder Co**
STAYBIND: Corn starches—A E Staley Mfg Co
STAYCAL: Paper starches—A E Staley Mfg C
STAYCO: Paper starches—A E Staley Mfg Co
►**STAYRITE:** Vinyl stabilizers; metal soaps—**WITCO CHEM CO**
STAYSON: Water emulsion resilient floor seal—Uncle Sam Chem Co
STAZYME: Paper starches—A E Staley Mfg Co
►**STEARITE:** Acid, hydrogenated—**WITCO CHEM CO**
STED: Low-foaming detergent—**Cowles Chem Co**
STEEL SAVER: Rust preventative—Continental Coatings Corp
►**STELIAR:** Clays, coating—**MINERALS & CHEMS PHILIPP CORP**
STEOL 2N: Products—Stepan Chem Co
STEPANATE: Products—Stepan Chem Co, Industrial Chems Div
STERLING: Carbon black, oil, gas furnace—**Cabot Corp**
STERLING: Sodium chloride—International Salt Co
►**STEROLIT:** Animal bedding—**MINERALS & CHEMS CORP OF AMERICA**
►**STEROX:** Polyoxyethylene esters, ethers & thioethers—**MONSANTO CHEM CO**
►**STEROX AWS:** Synthetic detergents, nonionic, built —**MONSANTO CHEM CO**
STEROZOL: Fungicide disinfectant, leather—Wallerstein Co
STEVOL: Cosmetic detergent base—**Robeco Chems**
STIKTOTIN: Paste, label—Marks Chem Works
►**STILBOSIL:** Cattle feed additive—**ELI LILLY & CO, ELANCO DIV**
►**STIXSO:** Adhesives—**PHILADELPHIA QUARTZ CO**
STONELITE: Pulverized limestone filler—Ohio Lime Co
►**STOP-SCALD:** Fruit spray—**MONSANTO CHEM CO**
STRIP KLEEN: Paint & varnish remover—Sumco Products
STRIP-WRAP: Adhesive—National Starch & Chem Corp
STRYPP, STRYPP AWAY: Paint strippers—DuBois Co
►**STYMER:** Sizes, textile—**MONSANTO CHEM CO**
STYPHEN: Rubber antioxidant—**Dow Chem Co**
STYPOL: Polyester resins—Freeman Chem Corp
STYPTICIN: Cotarine chloride—**Merck Chem Div**
STYRESOL: Resins, alkyd, styrenated—Reichhold Chems, Inc
STYRETEX: Styrenated alkyd resins—**Jones-Dabney Co**
STRIPAID: Stripping assistants textile—**Maher Color & Chem Co**
STYROCRETE: Additive for latex cement—**Dow Chem Co**
STYROFOAM: Plastic foam—**Dow Chem Co**
STYRON: Plastic, polystyrene—**Dow Chem Co**
SUBALOX: Metal protective paints & primers—Subox, Inc
►**SUCARYL:** Synthetic sweetening agents—**ABBOTT LABS**
►**SUCONOS 2, 4, 9, 12, 18:** Antioxidants—**MILES CHEM CO**
SUDS: Cleaner—DuBois Co
SUDS-A-LOT: Cleaning compound—Barton Chem Co
SUDSO: Detergent compound—Britex Corp
SUDZY-DUDZY: Detergent—Essential Chems Co
SULFABROM: Sulfabromometazine—**Merck Chem Div**
SULFADS: Rubber accelerator—R T Vanderbilt Co
►**SULFAN:** Stabilized sulfuric anhydride—**ALLIED CHEM CORP, GENERAL CHEM DIV**
SULFANOLE: Detergents; Alcohol—Warwick Chem Div
►**SULFASAN R:** Rubbing aging compound—**MONSANTO CHEM CO**
SULFIDAL: Sulfur powder, dried colloidal—Heyden Newport Chem Corp
►**SULFINDONE:** Dyes, sulfur—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SULFO: Sulfur, wettable—Miller Products Co
SULFOL: Wood lubricants—E F Houghton & Co
SULFOLE: Mercaptan, tertiary dodecyl—Phillips Chem Co
►**SULFORON:** Wettable sulfurs—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**SULFRAMIN:** Detergents; wetting agents—**ULTRA CHEM WORKS**
SULFURON: Wettable sulfurs—**Du Pont, Industrial & Biochems Dept**
SULGO: Desulphurizer—**Diamond Alkali Co**
SULPHON: Dyes, acid—**General Dyestuff Co**
►**SUL-PO-MAG:** Potassium magnesium sulfate—**INTERNATIONAL MINERALS & CHEM CORP, AGRICULTURAL CHEMS DIV**
SUMERO: Oils, emulsifiable—Miller Products Co
►**SUMSTAR:** Dialdehyde starch—**MILES CHEM CO**
►**SUNAPTIC:** Napthenic acids—**SUN OIL CO**
SUNARAMES: Sun screening agent—Felton Chem Co
►**SUNDEX:** Rubber plasticizers, softeners—**SUN OIL CO**
►**SUNEP:** Lubricants, extreme pressure—**SUN OIL CO**
►**SUN FLOSS:** Silica, amorphous—**JOHNS-MANVILLE**
►**SUNNY SOL 16:** Sodium hypochlorite—**JONES CHEMS, INC**
►**SUNOCO:** Petrochemicals—**SUN OIL CO**
►**SUNOCO ANTI-CHEK:** Petroleum waxes—**SUN OIL CO**
►**SUNOLITE:** Waxes, synthetic—**WITCO CHEM CO**
►**SUNOTEX:** Textile oils—**SUN OIL CO**
SUNPROOF: Protective wax materials—**Naugatuck Chem Div**
►**SUN YELLOW C; N:** Pigments—**HARSHAW CHEM CO**
SUNSHINE: Neutral cleaner—Uncle Sam Chem Co
SUPERAID: Filter aid, diatomaceous—**Great Lakes Carbon Corp, Dicalite Dept**
SUPERBA: Carbon black—**Columbian Carbon Co**
►**SUPER AMIDE:** Emulsifiers—**ONYX CHEM CORP**
SUPERBASE: Cleaners—Essential Chems Co
SUPER-BECKACITE: Resins, phenolic—Reichhold Chems, Inc
SUPER-BECKOSOL: Resins—Reichhold Chems, Inc
SUPERCARBOVAR: Carbon black, channel—**Cabot Corp**
►**SUPER-CEL:** Filter aid—**JOHNS-MANVILLE**
SUPERCHLOR: Sodium hypochlorite bleach—Dover Chem Corp
►**SUPERCHROME:** Acid dyes, mordant—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
SUPERCLAD: Chemical-resistant finishes — **Sherwin-Williams Co**
SUPERCLEAR: Thickeners; Gums—Jacques Wolf & Co
SUPERCOL: Water soluble guar gum, food grade — General Mills, Specialty Products Div
SUPER-CRETE-X: Floor resurfacing—Borden Chem Co
SUPER DESOIL: Laundry detergent—**Cowles Chem Co**
SUPER-DRAW: Drawing compound—Northwest Chem Co
►**SUPER DREX 75:** Vitamin concentrates—**NOPCO CHEM CO**
SUPER DUPER: Cleaners—Essential Chems Co
SUPER DYLAN: High-density polyethylene—Koppers Co, Plastics Div
►**SUPER-FAST:** Polishing powder — **DAVISON CHEM DIV**
SUPERFIL: Leather finishing agents—B B Chem Co
►**SUPERFLOC:** Flocculating agent—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
►**SUPER FLOSS:** Amorphous silica—**JOHNS-MANVILLE**

SUPERFOME: Anionic detergents, cosmetic grade—**Maher Color & Chem Co**
SUPER-GLOSS: Floor wax, no rubbing — Uncle Sam Chem Co
SUPERGRIP: Adhesives, solvent evaporation — B B Chem Co
SUPERGUM H: Gums; Thickeners—Jacques Wolf & Co
SUPERHENSIVE: Dry animal glue—Swift & Co, Adhesive Products Dept
SUPERJET: Lampblack—C K Williams & Co
SUPER-KARB: Activated carbon—**Pennsalt Chems Corp**
SUPERKEL: Washing compound—**Diamond Alkali Co**
SUPER-KEM-TONE: Latex-emulsion wall paints—**Sherwin-Williams Co**
SUPER KLOR: Industrial disinfectant—DuBois Co
SUPERLASTIC: Flexible glue—Swift & Co, Adhesive Products Dept
SUPERLEVEN: Dry animal glue—Swift & Co, Adhesive Dept
SUPER-LIMOID: Dolomitic pressure hydrated lime — Warner Co
SUPERLITH: Pigments—C J Osborn Co
SUPERLOID: Ammonium alginate—Kelco Co
SUPERLOSE: Potato amylose—**Stein Hall & Co**
SUPERMUL: Corrosion inhibitors—DuBois Co
SUPER-MULTIFEX: Calcium carbonate—**Diamond Alkali Co**
►**SUPER NIBRITE:** Barrel nickel electroplating process—**HARSHAW CHEM CO**
►**SUPER NOPDEX:** Vitamin concentrates—**NOPCO CHEM CO**
SUPERNOURALGINE: Purified sodium alginate—Edward Mendell Co
SUPEROLES; SUPEROMES: Soluble natural gum resins for perfumes—Felton Chem Co
SUPEROXOL: Hydrogen peroxide—**Merck Chem Div**
SUPERPAX; A: Zirconium silicate—Titanium Alloy Mfg Div, National Lead Co
SUPER RICH: Floor wax—Uncle Sam Chem Co
SUPERSEAL: Envelope gums—**Stein Hall & Co**
SUPERSIL: Powdered silica—Pennsylvania Glass Sand Corp
SUPER SOLV: Fuel oil conditioners & sludge solvents—Ampion Corp
SUPER SPECTRA: Carbon black—**Columbian Carbon Co**
SUPERTAK: Glue moistener—Kano Labs
SUPERTEX: Gums, textile printing—Jacques Wolf & Co
►**SUPER WHITE:** Filler clay—**GEORGIA KAOLIN CO**
SUP-L-BOND: Ink—Claremont Pigment Dispersion Corp
SUPLEX: Bottle washing additive—**Diamond Alkali Co**
SUPRAFIX: Vat dyes—**General Dyestuff Co**
►**SUPRAK:** Tanning agents—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
SUPRALAN: Dyes, acid—**General Dyestuff Co**
SUPRA-LUBE: Metal cleaner—Northwest Chem Co
SUPRAMINE: Dye assistants—**Antara Chems Div**
SUPREMUS: Dry animal glue—Swift & Co, Adhesive Products Dept
SUPRANOL: Dyes, acid—**General Dyestuff Co**
SUPREX: Clay, rubber makers—**J M Huber Corp**
SURE DEATH: Insecticides, herbicides — Woodbury Chem Co
SURE-FLOC: Products—**Pennsalt Chems Corp**
SURE-GRIP: Safety floor finish—Uncle Sam Chem Co
SURFA-ETCH: Etching solution for concrete—Rust-Oleum Corp
SURFACITE: Products—**Shwayder Chem Metallurgy Corp**
SURFA-PREP #100: Primer for new galvanizing—Subox, Inc
SURFA-SELE: Masonry protective coating—Rust-Oleum Corp
SURFAX: Wetting agents—E F Houghton & Co
SURFEX: Calcium carbonate—**Diamond Alkali Co**
SURFOKLEEN: Metal cleaner — Amalgamated Chem Corp
►**SURFONIC:** Products—**JEFFERSON CHEM CO**
►**SUREYNOL:** Surface active agents, nonionic—**AIR REDUCTION CHEM & CARBIDE CO**
SURTENOL: Germicide—Guardian Chem Corp
SUSPENSO: Calcium carbonate—**Diamond Alkali Co**
SUSPENSOIL: Detergent—**Diamond Alkali Co**
SUSTANE: Antioxidant, edible fats, oils—**Universal Oil Products Co**
SWABSTIX: Flow inducers—Tretolite Co Div
SWEET ARROW: Lime hydrated—H E Millard Lime & Stone Co
SWEETOSE: Corn syrup—A E Staley Mfg Co
SWIFT'S VISCO: Glue—Swift & Co, Adhesive Products Dept
SYLGARD: Silicone insulated materials for the electronics industry—**Dow Corning Corp**
SYLKYD: Resins, silicone-alkyd—**Dow Corning Corp**
SYL-MER: Silicones for textiles—**Dow Corning Corp**
SYL-OFF: Silicone paper coating—**Dow Corning Corp**
►**SYLOID 72; 161; 162; 244; 308; 404; 978:** Flatting agents—**DAVISON CHEM DIV**
SYL-SOFT: Softener for textiles—**Dow Corning Corp**
SYN-A-LAC: Catalytic varnish — United Lacquer Mfg Corp
SYNAR: Mortar—**Pennsalt Chems Corp**
SYNASOL: Alcohol, denatured — **Union Carbide Chems Co**
SYNCAST: Synthetic resins—Synco Resins, Inc
SYNCOAT: Resins, coating—Synco Resins, Inc
SYNFOAM: Foaming agents—Swift & Co, General Soap Dept
SYNKLOR: Insecticide—Naugatuck Chem Div
SYNOVA: Synthetic egg yolk—Seaboard Chems
SYNPOL: Synthetic rubber—Texas-U S Chem Co
SYNSIZE: Liquid urea formaldehyde resins — Synco Resins, Inc
►**SYNTERGENT:** Synthetic detergents—**NOPCO CHEM CO**
►**SYN-TEX:** Polishing pads—**DAVISON CHEM DIV**
SYNTEX: Alkyd resins—Jones-Dabney Co
SYNTHAROME: Products—**Florasynth Labs**
SYNTHE-COPAL: Gums, esters, solutions—Reichhold Chems, Inc
SYNTHEMUL: Alkyd emulsions—Reichhold Chems, Inc
SYNTHOFRUIT: Flavors—**Florasynth Labs**
SYNTHOGEL: Products—Morningstar-Paisley, Inc
SYNTHRA: Products—Arnold, Hoffman & Co, inc
SYN-U-TEX: Urea-formaldehyde resins — Jones-Dabney Co
SYNVAREN: Resins, phenol-formaldehyde liquid—Synvar Corp
SYNVARITE P: Resins, phenol-formaldehyde, powdered—Synvar Corp
SYNVARITE U: Resins, urea-formaldehyde, powdered—Synvar Corp
SYNVAROL: Resins, urea-formaldehyde, liquid—Synvar Corp
►**SYTON:** Silica sols—**MONSANTO CHEM CO**

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2-50-HIFLASH: Coal tar solvent—**Neville Chem Co**
►**2, 3, 6:** Coupling agent—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
#22 BARYTES: Southern off-color, high barium—Thompson-Weinman & Co
3174: Etch-O-Graph—**Philip A Hunt Co**
3186-6: Reclaiming oil, rubber—C P Hall Co
3661: Graphol & phenidone—**Philip A Hunt Co**
3-B, 4-P: Mercaptan—**Pennsalt Chems Corp**
3-M: Products—Minnesota Mining & Mfg Co, Chem Products Group
3 PURPOSE BIN: Primer-sealer; Stain killer—**William Zinsser Co**
10 SECOND: Aerosol spot remover—Afta Solvents Corp
T-743: Paper dispersing agent—**DuBois Co**
T-8 COMPOUND: Drilling mud—Magnet Cove Barium Corp
TAB: Gums—Morningstar-Paisley, Inc
TBP: 97% purity tertiary butyl peroxide—U S Peroxygen Corp
►**TBTO:** Bis (tri-n-butyltin) oxide, slime control — **METAL & THERMIT CORP**
T-C HYDRO: Sodium hydrosulfite—**Tennessee Corp**
►**TCC:** Bacteriostat—**MONSANTO CHEM CO**
►**TDE, DDD:** Insecticide—**ALLIED CHEM CORP, GENERAL CHEM DIV**
►**THFA:** Alcohol, tetrahydrofurfuryl — **QUAKER OATS CO**
►**THPC:** Fire & flame retardant for celluloses—**HOOKER CHEM CORP**
TK: Cleaner—DuBois Co
T-KAL: Chelating agent—DuBois Co
TL BRAND: Beeswax—Theodore Leonhard Wax Co
TME: Trimethylolethane—Heyden Newport Chem Corp
►**TML MOTOR MIX:** Antiknock compound—**ETHYL CORP**
TMP: Trimethylolpropane — Heyden Newport Chem Corp
TS3: Activator, cleaner—Wallerstein Co
TAC: Tested additive chems—**Mallinckrodt Chem Works**
TACKMASTER: Industrial adhesives—Rubber & Asbestos Corp
►**TAKABATE:** Tanning bate—**MILES CHEM CO**
►**TAKASKREEN:** Enzyme, printing-screen cleaner — **MILES CHEM CO**
►**TAKATABS:** Effervescent sodium isoascorbate tablets—**MILES CHEM CO**
TAKO: Colloidal kaolin—Thomas Alabama Kaolin Co
►**TALASE:** Enzyme, amylase-protease combination — **MILES CHEM CO**
TALLENE: Tall oil pitch—W Va Pulp & Paper Co, Industrial Chem Sales Div
TAMCO: Products—Texas American Mercury Co
TAMOL: Tanning & dispersing agents, synthetic — **Rohm & Haas Co**
TAMPTITE: Dynamite cartridge—**Hercules Powder Co**
►**TANAK:** Tanning agents—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
TANALID: Polyester fiber printing carriers—Tanatex Chem Corp
TANALON: Carrier—Tanatex Chem Corp
TANALUBE: Crack inhibitor, lubricant, leveling agent—Tanatex Chem Corp
►**TANAMER 370:** Pasting assistant—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
TANASOL: Leather treating compounds—Jacques Wolf & Co
TANATERGE: Detergent, wetting agent, dyeing assistant—Tanatex Chem Corp
TANAVOL: Dye carrier—Tanatex Chem Corp
TANDEMOL: Rolling oils—E F Houghton & Co
TANIGAN: Tanning agent, synthetic — **Antara Chems Div**
TANNATHIN: Humic acid lignite drilling chem—Magnet Cove Barium Corp
TANOLIN: Tanning compounds—**Diamond Alkali Co**
►**TANOYL; HDF:** Mineral & oil fat liquors—**NOPCO CHEM CO**
TANSY RAGWURT SPECIAL: Weed killer—Miller Products Co
TAPESTRY: Pigments, printing—**General Dyestuff Co**
TAPE TACK: Glue—Swift & Co, Adhesive Products Dept
TAP SPRITE: Water purification carbons—Collier Carbon & Chem Corp
TARMASTIC: Cold applied coal tar coatings — **Pittsburgh Coke & Chem Co**
TAR-PET: Products—**Reilly Tar & Chem Corp**
TARSET: Coal tar-epoxy resin coating — **Pittsburgh Coke & Chem Co**
TARSOLV: Tar & paint remover—**Maher Color & Chem Co**
TART: Pickling agent—DuBois Co
TARTAN: Colors—Magruder Color Co
TATERSAVER: Detergent compound—Britex Corp
TAXITE: Paint, varnish remover—**Sherwin-Williams Co**
TECHNICAL EICOSANE: Paraffin wax—Atlantic Refining Co
TECHNOSCENT: Deodorants—**Fritzsche Bros**
►**TECMANGAM:** Manganese sulfate—**EASTMAN CHEM PRODUCTS**
►**TECQUINOL:** Hydroquinone, tech — **EASTMAN CHEM PRODUCTS**
►**TECSOL:** Proprietary ethyl alcohol—**EASTMAN CHEM PRODUCTS**
►**TEFLON:** Fluorocarbon resins—**DU PONT, POLYCHEMS DEPT**
TEGIN; P: Emulsifier—**Goldschmidt Chem Corp**
TEGO: Resin, film—**Rohm & Haas Co**
TEGOSEPT; P; M: Products—**Goldschmidt Chem Corp**
►**TELAR:** Anti-freeze & summer coolant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**TELMEL MOTOR MIX:** Antiknock compound—**ETHYL CORP**
TELLURAC: Rubber accelerator—R T Vanderbilt Co
TELONE: Soil fumigant—**Dow Chem Co**
►**TEL-TALE:** Indicating silica gel—**DAVISON CHEM DIV**
TEMASEPT: Polybrominated salicylanilide—Fine Organics
TEMEX: Vinyl stabilizers—**National Lead Co**
TEMP: Abrasives—DuBois Co
TENAC: Adhesive lubricants—E F Houghton & Co
►**TENAMENE:** Inhibitors, gasoline — **EASTMAN CHEM PRODUCTS**
►**TENLO:** Wetting & Dispersing agents—**NOPCO CHEM CO**
►**TENN-FLO:** Filter aids—**TENNESSEE PRODUCTS & CHEM CORP**
►**TENN-PLAS:** Alkyd benzoic acid—**TENNESSEE PRODUCTS & CHEM CORP**
►**TENN-SIL:** Fillers & flatting agents—**TENNESSEE PRODUCTS & CHEM CORP**
TEN-O-FILM: Starch—Corn Products Co
►**TENOX:** Antioxidants, food grade—**EASTMAN CHEM PRODUCTS**
TEOX: Detergent materials—**Olin Mathieson Chem Corp, Blockson Chems**
TERESSO: Oil, turbine—**Esso Standard Oil**
TERGENE: Cleaners—Essential Chems Co
TERGESCENT: Oils, perfume—**Givaudan-Delawanna**
TERGITOL: Surface active agents — **Union Carbide Chems Co**
TERJ: Cleaner—DuBois Co
TERLON: Special synthetic vehicle—Lawter Chems
TERPANOL: Anti-stain rubber reclaiming oil—Crowley Tar Products Co
TERPINOXO: Rubber reclaiming oil—Crowley Tar Products Co
TERPOSOL: Terpene ether—**Hercules Powder Co**
TERRACLOR: Fungicides, turf—**Olin Mathieson Chem Corp, Industrial Chems Div**
TERRADUSTO: Chemicals, agricultural—Miller Products Co
TERRA-SEAL: Terrazzo seal—Uncle Sam Chem Co
►**TERSAN:** Fungicides—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
TERVAN: Wax compound—**Esso Standard Oil**
TETRADANE: Insecticides, farm, garden—Miller Products Co
TETRADUSTO: Insecticides, farm, garden—Miller Products Co
TETRAFLEX: Ester plasticizers—National Polychems
TETRAPOL: Leather conditioning agents — **Antara Chems Div**
TETRASPRA: Insecticides, farm, garden—Miller Products Co
TETRINE: Sequestering agents—**Glyco Chems Co**
►**TETRON:** Tetraethyl pyrophosphate—**AMERICAN POTASH & CHEM CORP**
►**TETRONIC:** Polyoxyethylene-polyoxypropylene ethylene-diamine—**WYANDOTTE CHEMS CORP**
►**TETROSAN:** Fungicides—**ONYX CHEM CORP**
►**TEXAVON:** Penetrants—**AMERICAN CYANAMID CO, ORGANIC CHEMS DIV**
TEXCHROME: Textile indicator—**Fisher Scientific Co**
TEXIN: Urethane elastomer resins—Mobay Chem Co
TEXO-FILM: Starch—Corn Products Co
TEX TEST: Textile identification kit—**Fisher Scientific Co**
TEXTET: Glues—Borden Chem Co
TEXTITE: Glue—Swift & Co, Adhesive Products Dept
TEXTONE: Sodium chlorite — **Olin Mathieson Chem Corp, Industrial Chems Div**
TEXTURIZED: Pigments—Mineral Pigments Corp
TEXZYME: Desizing agent—Pabst Brewing Co
THANITE: Insecticides—**Hercules Powder Co**
►**THEDANE:** Biological staining solution — **ALLIED CHEM CORP, NATIONAL ANILINE DIV**
THERMAGLOSS: Ink—Claremont Pigment Dispersion Corp
THERMALITE: Heat-resisting paint—**Tropical Paint Co**
THERMAX: Thermal black—R T Vanderbilt Co
THERM-K: Glass fiber pipe covering, duct insulation & liner—Ehret Magnesia Mfg Co
THERMOCOL: Exothermic ferrocolumbian — **Vanadium Corp of America**
THERMO-O-FLAKE: Insulation materials—**Illinois Clay Products Co**
THERMOGRIP: Adhesives, thermal fusion — B B Chem Co
THERMOKROM: SIL: Exothermic products—**Vanadium Corp of America**

►**THERMOLITE:** Organotin stabilizers—**METAL & THERMIT CORP**
THERMOSCENT: Deodorants—**Fritzsche Bros**
THERMOSIL: Exothermic ferrosilicon—Vanadium Corp of America
THERMOVAN: Exothermic ferrovanadium — Vanadium Corp of America
THIAZOL YELLOW: Dyes, direct—**General Dyestuff Co**
THICK COAT: Paints, acid-alkali resistant, corrosion resistant—**Pennsalt Chems Corp**
THIMER: Mercury-thiuram turf fungicide—**W A Cleary Corp**
►**THIOFIDE:** Rubber accelerator—**MONSANTO CHEM CO**
THIOMENT: Putty—Atlas Mineral Products Co
►**THIOSET M:** Concentrate for setting wool fiber—**EVANS CHEMETICS**
►**THIOTAX:** Rubber accelerator—**MONSANTO CHEM CO**
►**THIOVANIC ACID:** Acid, thioglycolic, vacuum-distilled—**EVANS CHEMETICS**
►**THIOVANOL:** Thioglycerol—**EVANS CHEMETICS**
►**THIURAD:** Rubber activator—**MONSANTO CHEM CO**
THIXCIN: Agents, thixotropic, thickening suspension —**Baker Castor Oil Co**
THIXON: Agents, bonding — Dayton Chem Products Labs
THOR: Core, plastic binders—Borden Chem Co
THREE DEE: Insecticides, farm, garden—Miller Products Co
►**THREE ELEPHANT:** Boran products—**AMERICAN POTASH & CHEM CORP**
THREE STAR: Ozokarite—**International Wax Refining Co**
►**THRIVE:** Lawn fertilizer, mixed—**INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV**
THUR-MA-LOX: Coatings, protective—Dampney Co
►**THYLATE:** Thiram fungicide—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**TI-CAL:** Titanium calcium pigment—**DU PONT, PIGMENTS DEPT**
►**TIGER:** Lubricating oils—**MONSANTO CHEM CO**
TIMET: Products—Titanium Metals Corp of America
TINEGAL: Multiple purpose textile auxiliary—**Geigy Dyestuffs Div**
TINOFIX: Fixing agent—**Geigy Dyestuffs Div**
TINOLITE: Dyes, pigment printing compositions — **Geigy Dyestuffs Div**
TINON: Dyes, vat—**Geigy Dyestuffs Div**
TINOPAL: Optical brightening agent—Geigy Industrial Chems
TIN-SAN: Bactericide, fungicide—Norton Chem Works
TINSPOT: Glue—Swift & Co, Adhesive Products Dept
TINUVIN: Ultraviolet absorber — Geigy Industrial Chems
►**TI-PURE:** Titanium dioxide—**DU PONT, PIGMENTS DEPT**
TIRAP: Glue—Swift & Co, Adhesive Products Dept
TISSUE MAT: Specimen mounting medium — **Fisher Scientific Co**
TITANOX: Pigments, white, titanium dioxide—Titanium Pigment Corp
TOCOSEAL: Roof cement—Tropical Paint Co
TOCOTONE: Products—Tropical Paint Co
TOLAD: Inhibitors, gum; Antioxidants, petroleum — Tretolite Co Div
TOLERON: Ferrous fumarate — **Mallinckrodt Chem Works**
TOLU-SOL: Aliphatic petroleum naptha & lacquer diluent—Shell Oil Co
TOMATO SET: Plant hormone—Miller Products Co
TONA: Meat tenderizer—Wallenstein Co
TONSIL: Activated clay—**L A Salomon & Bro**
TOOL-COOL: Soluble oils—Franklin Oil Corp
TOPANOL A: 2, 4 dimethyl-6-tertbutylphenol—**Chemical Mfg Co**
TORANIL: Calcium lignin sulfonate—**Lake States Yeast & Chem Div**
TORCH BLACK: Lampblack—**Columbian Carbon Co**
TOREX: Enamels, paints, acid-resisting—Inertol Co
TOREX PRIMER: Paints, metal primers—Inertol Co
TORRIDEX: Sulfonated tallow—Warwick Chem Div
TOWER BRAND: Products—**Chas L Huisking & Co**
TOXADUSTO: Insecticides, farm, garden—Miller Products Co
TOXASPRA: Insecticides, farm, garden—Miller Products Co
TOXIMUL: Agricultural emulsifiers—Stepan Chem Co, Industrial Chems Div
TRAGTEX: Textile printing—Arnold, Hoffman & Co
TRANCO: Polyurethane resins—Trancoa Chem Corp
TRANSISTAR: Chemicals, electronic — **Mallinckrodt Chem Works**
TRANSIT KLEEN: Automotive specialties—DuBois Co
TRANSPHALT: Hydrocarbon polymers, deep cracked petroleum—**Pennsylvania Industrial Chem Corp**
TRAVA GLO: Travertine cleaner & conditioner—Ampion Corp
TRAZITE: Cleaners, metal—Oakite Products
TREADMASTER: Industrial adhesives—Rubber & Asbestos Corp
►**TREM:** Wetting & dispersing agents—**NOPCO CHEM CO**
TRENISOL: Acrylic resin emulsion compounds—Alco Oil & Chem Corp
TRED PAX: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co
TREPENOL: Surfactants—**Treplow Chem Co**
TREPOLATE: Alkylaryl surfactants—**Treplow Chem Co**
TREPOLINE: Alkanolamides—**Treplow Chem Co**
TREPON: Polyethoxylated alkyl phenols—**Treplow Chem Co**
TREPSAN: Quaternary ammonium compounds—**Treplow Chem Co**
TREX: Cleaning agent—DuBois Co
►**TREX:** Emulsifier, insecticide—**NOPCO CHEM CO**
TRIAMITE: Germicide—Guardian Chem Corp
TRIANGLE: Carbon black—United Carbon Co
TRIBASE: Stabilizer, vinyl—**National Lead Co**
TRI BASIC: Foliage fungicide—Tennessee Corp
►**TRICLENE:** Trichlorethylene—**DU PONT, ELECTROCHEMS DEPT**
TRIMAG: Antacid—Waverly Chem Co
TRI-MAL: Stabilizer, vinyl—**National Lead Co**
TRIMENE: Accelerator, rubber—Naugatuck Chem Div
TRIMET: Trimethylolethane—Trojan Powder Co
TRI-O-GLOSS: Solvent & emulsion paste waxes—Trio Chem Works
►**TRI-OL:** Emulsifying oils—**SONNEBORN CHEM & REFINING CORP**
TRI-O-LAC: Polish & wax—**Trio Chem Works**
TRI-O-PINE: Disinfectants—**Trio Chem Works**
►**TRIOSUL:** Stabilized liquid sulfur trioxide—**MONSANTO CHEM CO**
TRIPLE C: Lubricants—Pro-Chem, Inc
TRIPENTEX: Tripentaerythritol, technical — Heyden Newport Chem Corp
TRIPHOSADEN: Adenosine triphosphate—Schwarz BioResearch
►**TRIPLACT:** Foundry clay—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
TRIPLE A: Paint products—Quigley Co
TRIPLE A 10 PLASTIC: Insulating paints—Quigley Co
TRIPLEMATIC: Resin pump—H V Hardman Co
TRIPTIDE: Sodium gluthathione—Schwarz BioResearch
TRISCO: Penetrants, textiles—Scholler Bros
TRISOLVOIL: Products—Berkshire Color & Chem Corp
TRI-SUL-ITE: Pipe insulation—G S Ziegler & Co
TRITEX: Explosive—**Hercules Powder Co**
TRITHION: Insecticide—Ortho Div
TRITON: Wetting, emulsifying, dispersing, scouring agents—**Rohm & Haas Co**
TRIZMA: Controlled tris buffers—**Sigma Chem Co**
►**TRONA:** Products — **AMERICAN POTASH & CHEM CORP**
►**TRONABOR:** Crude pentahydrate borax—**AMERICAN POTASH & CHEM CORP**
TROPELITE: Products—Tropical Paint Co
TROPICHLOR: Enamel, chem resisting—Tropical Paint Co
TROPOCY: Enamel, chem resisting—Tropical Paint Co
TROYKYD: Plant additives—Troy Chem Co
TROYSAN: Microbicides—Troy Chem Co
TRYCITE: Polystyrene film—**Dow Chem Co**
TRUFLEX: Plasticizers—Thompson Chem Co
TRULINE BINDER: Corebinder—**Hercules Powder Co**
TRULON: PVC resin—Thompson Chem Co
►**TRYSBEN:** Weed killer—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
TUADS: Rubber accelerator—R T Vanderbilt Co
TUBEKLEEN: Fire scale eradicator—Sumco Products
TUFCUT: Products—Franklin Oil Corp
TUFDRAW: Products—Franklin Oil Corp
TUFLITE: Interloc paint brush handles—H V Hardman Co
TUFTOP: Light-sensitive plate coating—**Mallinckrodt Chem Works**
TUG O WAR: Glue—Swift & Co, Adhesive Products Dept
TULIP-TONE: Pigment pastes, water dispersible—Holland Color & Chem Co
TURFMASTER: Fungicide—Stieh Chems
TURGUM: Rubber, compounding materials—**J M Huber Corp**
TURMETONE: Water soluble food color—Kalamazoo Spice Extraction Co
TURPOL: Rubber plasticizer—Minnesota Mining & Mfg Co, Chem Div
TWEED: Coatings, spray—Raffi & Swanson
TWEEN: Surface active agents, nonionic—**Atlas Chem Industries, Chems Div**
TWITCHELL: Textile specialties—**Emery Industries**
►**TWO SIXTY-TWO:** Feed compound—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
TYBON: Synthetic resins—American-Marietta Co
TY-BOND: Phosphate coating—**Cowles Chem Co**
TYFO: Fuel oil additive products—National Research & Chem Co
TYFOSOL: Fuel oil additive products—National Research & Chem Co
►**TYNEX:** Nylon filaments—**DU PONT, POLYCHEMS DEPT**
►**TYOX:** Thiodipropionate antioxidant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
TYPE-41: Clays, insecticidal dusting — Southeastern Clay Corp
TYPE-50: Rubber makers' clays—Southeastern Clay Corp
TYRIL: Plastic—**Dow Chem Co**

U

UF 25/60: Aurea formaldehyde concentrate—Borden Chem Co
UOP 1, 4, 5, 5S, 7, S7: Inhibitors — **Universal Oil Products Co**
UOP 88, 288: Rubber antiozonant—**Universal Oil Products Co**
USCO: Cleaners, polishers—Uncle Sam Chem Co
USG: Agricultural gypsum, lime, plaster — United States Gypsum Co
►**USI PERMADRY:** Feed supplement—**U S INDUSTRIAL CHEMS CO**
UBABOND: Acrylonitrile solvent cement—**U B S Chem Corp**
UBAGRIP: Solvent type cement—U B S Chem Corp
UBATOL: Modified polystyrene emulsion—U B S Chem Corp
UCAR: Petroleum additives; Substituted phenols — **Union Carbide Chems Co**
►**UCILON:** Protective coatings—**METAL & THERMIT CORP**
UCON: Glycols, polyalkylene—**Union Carbide Chems Co**
U-COP-CO: Products — **United Chem & Organic Products**
UFORMITE: Synthetic resins—**Rohm & Haas Co**
ULTEX: Rubber accelerator—C P Hall Co
ULTRAFLEX: Waxes, microcrystalline—**Bareco Wax Co**
ULTRA-LITE: Laundry sour—Keever Starch Co
►**ULTRIMIN:** Textile softeners—**ULTRA CHEM WORKS**
ULTRACAL: Gypsum cements—United States Gypsum Co
►**ULTRAPOLE:** Fatty amine condensates; Emulsifiers; Softeners—**ULTRA CHEM WORKS**
ULTRA-PURE: Products — Hazelton - Nuclear Science Corp
ULTRAWETS: Surfactants—Atlantic Refining Co
►**ULTRON:** Vinyl film & sheeting—**MONSANTO CHEM CO**
►**ULTROX:** Zirconium opacifiers—**METAL & THERMIT CORP**
UNDERSEAL: Products—Minnesota Mining & Mfg Co, Adhesives, Coatings & Sealers Div
UNIBAC: Fabric backings—U B S Chem Corp
►**UNICEL:** No-Nox blowing agents, plastisols—**DU PONT, EXPLOSIVES DEPT**
►**UNICHROME:** Plastisols; Plating compounds; Lacquers—**METAL & THERMIT CORP**
UNICOR: Petroleum corrosion preventive—**Universal Oil Products Co**
UNIFLO: Oil, motor—**Esso Standard Oil**
UNIQUE: Smokeless powder—**Hercules Powder Co**
UNITAL: Textile Soap—**H Kohnstamm & Co**
UNITED STATES GELATINS: Edible, technical — Peter Cooper Corp
UNITANE: Titanium dioxide—American Cyanamid Co, Pigments Div
UNITOL: Products—**Union Bag-Camp Paper Corp**
UNIVIS: Oil, hydraulic—**Esso Standard Oil**
UNIVOLT: Oil, electrical insulating—**Esso Standard Oil**
UNOX: Epoxides—**Union Carbide Chems Co**
UPABOL: Adhesives, solvent based—U B S Chem Corp
►**URAB:** Weed-brush killer—**ALLIED CHEM CORP, GENERAL CHEM DIV**
URAC: Resin adhesives—American Cyanamid Co, Plastics & Resins Div
URALANE: Coatings, polyurethane—Furane Plastics
URA-GREEN: Nitrogen solution, direct application — Spencer Chem Co
►**URAMITE:** Fertilizer compound—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
►**URAMON:** Ammonia liquors—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
UREFOAM: Insulation materials—**Atlas Mineral Products Co**
URETHAL: Polyurethane coating resins—American Alkyd Industries of Cal
►**UROX:** Weed killer—**ALLIED CHEM CORP, GENERAL CHEM DIV**
USITE: Foundry compounds—Barium & Chems
►**UVERITE:** Porcelain enamel opacifier—**HARSHAW CHEM CO**
►**UVERSOFT-D:** Softening agent—**HARSHAW CHEM CO**
►**UVERSOL:** Driers—**HARSHAW CHEM CO**
►**UVO; UVO-CRYST:** Vitamin D—**NOPCO CHEM CO**

V

►**V-90:** Calcium phosphate—**VICTOR CHEM WORKS**
VA-7: Polysulfide vulcanizing agent — Thiokol Chem Corp
►**V-BOR:** Refined pentahydrate borax — **AMERICAN POTASH & CHEM CORP**
►**V-C:** Products—**VIRGINIA-CAROLINA CHEM CORP**
►**V-C 13 NEMACIDE:** Insecticide, nematicide—**VIRGINIA-CAROLINA CHEM CORP**
VGB: Antioxidant, rubber—Naugatuck Chem Div
VVF: Fine pigments—**C K Williams & Co**
VACATE: Non-selective herbicide—**Diamond Alkali Co**
VAC DRY: Bleached shellac—William Zinsser Co
VACUMETAL: Mercury—**Metalsalts Corp**
►**VADREX:** Vitamin concentrates—**NOPCO CHEM CO**
VALEX: Vanilla concentrate—R D Webb & Co
►**VALRON:** Ureaform solution—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
VANALDOL: Ethyl vanillin—Fries Bros
VANCIDE: Bactericides-fungicides—R T Vanderbilt Co, Specialties Dept
VANDEX: Curing agent, rubber— R T Vanderbilt Co
VANETTE: Perfume base—**Florasynth Labs**
VANGUARD: Anti-ozonant—R T Vanderbilt Co, Specialties Dept
VANILAROME: Products—**Florasynth Labs**
VANILLA VERITAS: Products—**Florasynth Labs**
VANILLIC ESTER: Products—**Florasynth Labs**
VANIPROX: Vanilla products, powdered—**Dodge & Olcott**
VANITROPE: Artificial vanilla—Shulton Inc
VANOX: Weed killer—R T Vanderbilt Co
VANSEAL WAX: Anti-checking for lumber—R T Vanderbilt Co
VANSTAYS: Series of vinyl stabilizers—R T Vanderbilt Co
VAPAD: Vitamin A palmitate—**Chas Pfizer & Co**
►**VAPAM:** Weed killer insecticide—**STAUFFER CHEM CO**
►**VAPONA:** Insecticide—**SHELL CHEM CO**
VARIAMINE: Dyes, azoic—**General Dyestuff Co**
VARNITIZED: Filter fabric—Varniton Co
VARSOL: Products—**Esso Standard Oil**

►**VASOFLAVINE:** Fluorescent histological stain—**ALLIED CHEM CORP, NATIONAL ANILINE DIV**
VATROLITE: Sodium hydrosulfite—Royce Chem Co
VEEGUM: Emulsion stabilizer & suspension agent—R T Vanderbilt Co, Specialties Dept
►**VEGADEX:** Weed killer—**MONSANTO CHEM CO**
VEGO: Flavors, colors—V & E Kohnstamm Inc
VEGETONE: Oil soluble food color—Kalamazoo Spice Extraction Co
VEL: Detergents—Colgate-Palmolive Co
VELVASIL: Cosmetic, pharmaceutical grade silicone fluids—**General Elec Co, Silicone Products**
VELVA-TONE: Vinyl shoe welting—Borden Chem Co
VELVET RAINBOW: Laundry starch—**Hercules Powder Co**
VELVETSCREEN-ETCH: Glass etching compounds—McKay Chem Co
VELVET SHEEN: Latex wall paint—Tropical Paint Co
VELVEX: Clays, insecticidal dusting — Southeastern Clay Co
VELVORAY: Sulfonated vegetable oil—Royce Chem Co
VELVO SOFTENER: Sulfonated tallow—Royce Chem Co
VERSALIDE: Polycyclic musk—**Givaudan-Delawanna**
VERSAMID: Resins, polyamide—**General Mills, Chem Div**
VERSENATE: Chelating agent—**Dow Chem Co**
VERSENE: Chelating agent—**Dow Chem Co**
VERSENEX: Chelating agent—**Dow Chem Co**
VERSENOL: Chelating agent—**Dow Chem Co**
VERSILAD: Sodium silicate—**Diamond Alkali Co**
VERSILATE: Binders, hardboard—**Diamond Alkali Co**
VERSILUBE: High-temperature lubricants — **General Elec Co, Silicone Products**
►**VIAD:** Vitamin concentrates—**NOPCO CHEM CO**
►**VIADEX:** Vitamin concentrates—**NOPCO CHEM CO**
VIANDAROME: Flavors, meat packers'—**Fritzsche Bros**
►**VIANOL:** Antioxidant—**SHELL CHEM CO**
►**VIATOL:** Propethyl alcohol—**SHELL CHEM CO**
VIBRATHANE: Polyurethane rubber, foam base materials—Naugatuck Chem Div
VIBRIN: Resins, polyester—Naugatuck Chem Div
VIBROCAP: Electric blasting cap—**Hercules Powder Co**
VIBROGEL: High explosives—**Hercules Powder Co**
VIBRONITE: Nitro carbo nitrate—**Hercules Powder Co**
VICHROME: Vinyl coatings—Interchem Corp, Finishes Div
VICRON: Whiting—**C K Williams & Co**
VICRUM: Vital wheat gluten—**Hercules Powder Co**
VICTOR: Industrial Starches—Keever Starch Co
►**VICTOR CREAM:** Sodium acid pyrophosphate—**VICTOR CHEM WORKS**
VICTORY: Plastic waxes—**Bareco Wax Co**
VIM: Oils—E F Houghton & Co
►**VINAC:** Polyvinyl acetate—**AIR REDUCTION CHEM & CARBIDE CO**
VINCOTE: Products—Detrex Chem Industries
►**VINOL:** Polyvinyl alcohol resins—**AIR REDUCTION CHEM & CARBIDE CO**
VINSOL: Ester gum; Water-soluble resins—**Hercules Powder Co**
VINYCOL: Pigment dispersions—C J Osborn Co
VINYLAC: Organic tackifiers—Borden Chem Co
VINYL DEX: Adhesives, envelope; **Resins—National** Starch & Chem Corp
VINYLITE: Vinyl coated paper—**Union Carbide Plastics Co**
VINYLON: Vinyl protective coatings—**Bettar Finishes & Coatings**
VINYLUM: Pigments, aluminum; **Plastic—Argus Chem Corp**
VINYZENE: Vinyl fungicide & bactericide—Scientific Chems
VIOLAMINE: Dyes, azoic—**General Dyestuff Co**
VIOLITE: Luminescent pigments—Rhode Island Labs
VIPLEX: Plasticizer for vinyl resins — Crowley Tar Products Co
►**VIRCOL:** Fire retardant, plasticizer—**VIRGINIA-CAROLINA CHEM CORP**
►**VIRCO-PET 20:** Corrosion inhibitor—**VIRGINIA-CAROLINA CHEM CORP**
VIRGINIA RED: Chlorinated lithal rubine—Standard Ultramarine & Color Co
►**VIRGO:** Cleaners and descalers, metal — **HOOKER CHEM CORP**
VISCARIN: Sodium carragennate—**Marine Colloids, Inc**
VISCASIL: High-viscosity silicone fluids—**General Elec Co, Silicone Products**
VISCO: Glue—Swift & Co, Adhesive Products Dept
►**VISANEX:** Polybutenes—**ENJAY CHEM CO**
VISTA RED, GREEN: Pigments—**Ansbacher-Siegle Corp**
►**VISATONE:** Additives, lubricant—**ENJAY CHEM CO**
►**VITAB:** Vitamin concentrates—**NOPCO CHEM CO**
►**VITA BRAND COD LIVER OIL:** Vitamin D—**NOPCO CHEM CO**
VITAL: Gear engine oils—E F Houghton & Co
VITALUBE: Oils, penetrating—White & Bagley Co
VITA-PABST: Feed supplement—Pabst Brewing Co
VITATONE: Hormones, plane—Miller Products Co
VITECT EPOXY; VINYL: Chemical-resistant protection coatings—Benjamin Foster Co
VITEL: Polyester resins—Goodyear Tire & Rubber Co, Chem Div
►**VITEX:** Vitamin concentrates—**NOPCO CHEM CO**
VITINC: Products—**Vitamins, Inc**
VITON: Fluoroelastomer—**DU PONT, ELASTOMERS DEPT**
VITOZONE: Deodorant—Fuld Bros
►**VITRAFOS:** Sodium polyphosphate, glassy—**VICTOR CHEM WORKS**
VITREX: Acid-alkali-solventproofing compounds—Atlas Mineral Products Co
VITRILAN: Thermosetting acrylic finishes—Interchem Corp, Finishes Div
VITROBOND: Acid-alkali-solventproofing compound—Atlas Mineral Products Co
VITROLAN: Dyes, acid—Sandoz, Inc
VITROPLAST: Acid-alkali-solventproofing compound — Atlas Mineral Products Co
►**VITROX C, R:** Optical polishing compounds—**VITRO CHEM CO**
►**VIVA:** Fertilizers, mixed—**INTERNATIONAL MINERALS & CHEM DIV, PLANT FOOD DIV**
VIVANA: Fibers, filaments & yarns—**Dow Chem Co**
►**VOID:** Fertilizer-weed killer combination—**INTERNATIONAL MINERALS & CHEM DIV, PLANT FOOD DIV**
VOIDOX: Antioxidants—Guard Chem Corp
►**VOLAN:** Bonding agent—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
VOLCLAY: Bentonite clay—**American Colloid Co**
►**VOLSEAL:** Insulating compounds, electrical—**JOHNS-MANVILLE**
VOLTEX: Carbon black—United Carbon Co
VORACEL: Foamed-in-place rigid urethane—**Dow Chem Co**
VORANATE: Isocyanate adducts—**Dow Chem Co**
VORANE: Urethane chemicals—**Dow Chem Co**
VORANOL: Urethane polyethers—**Dow Chem Co**
VOX: Beryllium oxide—Brush Beryllium Co
►**VUEPAK:** Cellulose acetate—**MONSANTO CHEM CO**
VULCA: Starch—National Starch & Chem Corp
VULCACURE: Dithiocarbamate—Alco Oil & Chem Corp
VULCAN: Carbon black, oil furnace—**Cabot Corp**
VULCANOL: Latex compounds—Alco Oil & Chem Corp
VULCARITE: Latex dispersions—Alco Oil & Chem Corp
VULNOPOL: Polymerization shortstop — Alco Oil & Chem Corp
VULTAC: Vulcanizing agent, rubber compounding materials—**Pennsalt Chems Corp**
VULTAFOAM: Urethane prepolymers—**General Latex & Chem Corp**
VULTASTAB: Surfactant & stabilizer—General Latex & Chem Corp
VULTEX: Latex compounds—**General Latex & Chem Corp**
VYGEN: Polyvinyl chloride resin — **General Tire & Rubber Co, Chem Div**
VYLAN: Vinylidene chloride coating for paperboard —Interchem Corp, Finishes Div
VYLON: Paint, alkyd, latex—**United Lacquer Mfg Corp**
VYNAPRINT: Ink—Claremont Pigment Dispersion Corp
VYN-EZE: Polyvinyl slip agent—**Fine Organics**

W

W & B: Products—White & Bagley Co
WBR: Anion exchange resin—Nalco Chem Co
WALLERSTAT FD-78: Antistatic agent for dry-cleaning —Wallerstein Co
WALLKYD: Pure drying alkyd resins—Reichhold Chems, Inc
►**WARCO:** Microcrystallines—**WARWICK WAX DIV**
WARCOFIX: Textile fixing agents—Warwick Chem Div
WARCOLENE: Textile, paper softeners—**Warwick Chem Div**
WARCOLUBE: Textile lubricants—Warwick Chem Div
WARCONYL: Flameproofing compounds — **Warwick Chem Div**
►**WARCOSINE:** Microcrystalline, plastic — **WARWICK WAX DIV**
WARCOSOL: Wetting agents—Warwick Chem Div
WAREXIN: Sterilizing agent—Guardian Chem Corp
►**WATCHUNG:** Pigments—**DU PONT, PIGMENTS DEPT**
WATER SPRITE: Water purification carbons—Collier Carbon & Chem Corp
WATEREZ: Water soluble alkyd resins—Reichhold Chems, Inc
►**WAXINE:** Paper resins—**AMERICAN CYANAMID CO, INDUSTRIAL CHEMS DIV**
WAXSOAP: Cleaner-polish—Uncle Sam Chem Co
WEARTEX: Enamel, chemical-resistant—Inertol Co
WEATHERBAN: Masonry sealer—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
WELCOLINE: Fatty acid—E F Drew & Co
WEDCO: Products—Western Chem & Mfg Co
WEEDALL: Weed killers—Miller Products Co
WEEDICIDE: Products—Thompson Chems Corp
WEEDO: Weed killers—Miller Products Co
WEEDOIL: Weed killers—Miller Products Co
WELDAL: Aluminum welding compound—Enthone, Inc
WELD-O-BOND: Bonding agent, masonry — California Products Corp
WELDOX: Paint brush adhesive—H V Hardman Co
►**WESTONITE:** Foundry clay—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
WETABIENE: Spreaders, agricultural spray — Miller Products Co
WETSIT: Wetting agents; Textile compounds—Jacques Wolf & Co
WETSYN: Wetting agent—E F Drew & Co
WHEATEX: Laundry starch—**Hercules Powder Co**
WHIRL: Detergent—Essential Chems Co
WHITE COSMETIC WAX: Beeswax, synthetic—**International Wax Refining Co**
WHITEFACE: Products—Benjamin Foster Co
WHITEGARD: Whitening agent—**Pennsalt Chems Corp**
WHITE HOUSE: Products—Woodbury Chem Co
WHITEKOTE: Dolomitic hydrated lime—Moores Lime
WHITE RIBBON: Soap chips & powders—Swift & Co, General Soap Dept
►**WILIMID:** Nitrogen derivatives, fatty acids — **WILSON-MARTIN (DIV WILSON & CO)**
►**WILMAR:** Fatty acids; Emulsifiers; Esters—**WILSON-MARTIN (DIV WILSON & CO)**
WILTROL: Retarders—National Polychems
WINDOW-BRITE: Cleaner with silicones—Uncle Sam Chem Co
WINDOW WAX: Glass cleaner—Uncle Sam Chem Co
WINDSOR FELT: Filter media—American Felt Co
WING-STAY: Rubber antioxidant—**Goodyear Tire & Rubber Co, Chem Div**
WING-STOP: Polymerization inhibitor—Goodyear Tire & Rubber Co, Chem Div
WINTERGREEN: Germicide—Uncle Sam Chem Co
WIPAWAY: Cleaners—Techniservice
WISH: Cleaners—Essential Chems Co
►**WITALL:** Driers, tallates—**WITCO CHEM CO**
►**WITCARB:** Calcium carbonate—**WITCO CHEM CO**
►**WITIZER:** Plasticizers—**WITCO CHEM CO**
►**WITCOBLAK:** Carbon black—**WITCO CHEM CO**
►**WITCOLITE:** Asphalt compounds—**WITCO CHEM CO**
►**WITCOTE:** Asphalt compounds—**WITCO CHEM CO**
►**WITTOX:** Fungicide—**WITCO CHEM CO**
WOBOL: Petroleum products, technical solvents—Woburn Chem Co
WOCHEM: Vegetable & animal fatty acids—Woburn Chem Co
WONDER: Disinfectants, polishes—Uncle Sam Chem Co
WOOD-KILL: 2, 4, 5-T herbicides—Woodbury Chem Co
WOOD-LOK: Resins, adhesive — National Starch & Chem Corp
WOOD-RIDGE MIXTURE 21: Turf fungicide — **Wood Ridge Chem Corp**
WOOD-WELD: Cement, waterproof—Lox Mfg Co
WYESOL: Cleaning compounds—Wye Industries
WYEX: Carbon black—**J M Huber Corp**
WYTENO: Laundry color stripper—Kuehne Chem Co

X

►**X-12:** Flame retardant—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
XL: Fuller's earth—**L A Salomon & Bro**
XEROL: Emulsifying wax—Fries Bros
►**X-OX:** Polishing powder—**DAVISON CHEM DIV**
XX: Zinc oxide—New Jersey Zinc Co
XXTRA-FINE SOLUBOLIZED: Clarifier, beverages—J O Whitten Co, Inc
XYLENE: Dyes, acid—Sandoz, Inc
►**XYNOMINE:** Detergent—**ONYX CHEM CORP**
►**XYNOPHOS:** Pitch dispersants—**ONYX CHEM CORP**

Y

►**YANKEE:** Potash feldspar—**INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV**
YANKEE CLIPPER: Marine coating—Continental Coatings Corp
YARMOR: Pine oils—**Hercules Powder Co**
YEASTEX: Yeast food—Schwarz BioResearch
YELLOWSTONE: Wyo bentonite, foundry—Magnet Cove Barium Corp

Z

►**ZDP:** Antioxidant—**ETHYL CORP**
ZAKURA: Perfume base—**Florasynth Labs**
ZAMCHLO: Galvanizing flux—Napthalene Products Co
ZAPONIN: Products—**Florasynth Labs**
ZAPPA: Menthol—**Alvares-Terner Corp**
ZECO: Products—G S Ziegler & Co
ZEFRAN: Acrylic alloy fiber—**Dow Chem Co**
ZEO-DUR: Resins, ion-exchange—Permutit Co
ZEO-KARB: Resins, ion-exchange—Permutit Co
ZEOLEX: Reinforcing pigments, rubber — **J M Huber Corp**
ZEPHROID: Cleaners—DuBois Co
►**ZEREX:** Anti-freeze—**DU PONT, POLYCHEMS DEPT**
►**ZERLATE:** Ziram fungicide— **DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
ZEROK 101: Products—Atlas Mineral Products Co
►**ZEROKOTE:** Coatings, waterproof—**JOHNS-MANVILLE**
►**ZERONE:** Anti-freeze—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
ZIG-ZAG: Variegated ice cream flavoring — **David Michael & Co**
ZIMATE: Rubber accelerator—R T Vanderbilt Co
ZINCOATER: Paint for submerged paint — **Tropical Paint Co**
ZINLAC: Products—William Zinsser Co
►**ZIN-O-LYTE:** Zinc plating products—**DU PONT, ELECTROCHEMS DEPT**
ZIRBERK: Ziram fungicide—**Wood Ridge Chem Corp**
ZIRCO 6%: Paint & varnish driers—Advance Solvents & Chem Div
ZIRCOA: Products—Zirconium Corp of America
ZIRCOPAX: Zirconium silicate—Titanium Alloy Mfg Div, National Lead Co
ZIRCOTAN: Tanning agent, mineral—**Rohm & Haas Co**
ZOAMIX: Coccidiostat—**Dow Chem Co**
►**ZOBAR:** Weed killer—**DU PONT, INDUSTRIAL & BIOCHEMS DEPT**
ZOX: Glass polish—**Titanium Zirconium Co**
ZYMO-PABST: Feed enzymes—Pabst Brewing Co
►**ZYTEL:** Resin, nylon—**DU PONT, POLYCHEMS DEPT**

EQUIPMENT

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EDITORIAL POLICY FOR EQUIPMENT LISTINGS

Manufacturers' listings – Companies are entitled to free and unlimited listings of all those products they manufacture.

Nonmanufacturers' listings – Distributors, manufacturer's agents and importers are limited to 40 listings for each one-sixth page of advertising space purchased.

Firms were requested to list only products available for sale to industry, not those manufactured for captive use.

COMPANY DIRECTORY • EQUIPMENT

A

Abbe Engrg Co, 620 N Graybar Bldg, N Y 17 Oregon 9-7636
Baltimore 1, Md, 634 Wicklow Rd Saratoga 7-3546
(Boston) Newtonville 60, Mass, 246 Walnut St LaSalle 7-6397
Cincinnati 3, O, 204 Union Trust Bldg Parkway 6-6183
(Detroit) Livonia, Mich, 12201 Merriman Rd Kenwood 1-1785

Paul O Abbe Inc, 381 Center Ave, Little Falls, N J Clifford 6-4242

►**ACETO CHEM CO, INC,** 40-40C Lawrence St, Flushing 54, N Y Independence 1-4100
N Hollywood, Cal, 6850 Tujunga Ave Stanley 7-9913

Acipco Steel Products Div, American Cast Iron Pipe Co, 2930 16 St N, Birmingham, Ala AL 1-8121

Acme Industries, Inc, 600 N Mechanic St, Jackson, Mich State 2-8231
Chicago, Ill, 230 E Ohio St Mohawk 4-6124
Metaire, La, 4452 Jacqueline Dr 835-4829
N Y C, 801 2 Ave Murray Hill 9-5490
San Francisco, Cal, 1485 Bayshore Blvd Juniper 6-8680

Acme Protection Equipment Co, 1299C Kalamazoo St, S Haven, Mich 1293

Acushnet Process Co, P O Box 916, New Bedford, Mass WY 3-1711

R P Adams Co Inc, 225 E Park Ave Dr, Buffalo 17 N Y TR 7-2608

(The) Advance Foundry Co, 109 Seminary Ave, Dayton 3, O CL 3-4148

Advance Industries, Inc, 640 Memorial Dr, Cambridge 39, Mass UN 4-6800

Aerated Container Corp, Dairy Whip Div, 39 S La Salle St, Chicago, Ill Central 6-7460

Aeroprojects, Inc, 310 E Rosdale Ave, West Chester, Pa Owen 6-4710

Aeroquip Corp, 300 S East Ave, Jackson, Mich State 3-2585
Oak Park, Ill, 1033 S Blvd Village 8-4214
Marman Div, 11214 Exposition Blvd, Los Angeles 64, Cal Granite 8-0921

Aerosol Research Co, 743 S Circle Ave, Forest Park, Ill Forest 6-4880

Aerotec Industries, Inc, Pemberwyck Rd & Comly Ave, Greenwich, Conn Jefferson 1-8400
Bantam, Conn Jordan 7-9441
S Norwalk, Conn Temple 8-6531

Wm Ainsworth & Sons, Inc, 2151 Lawrence St, Denver 5, Colo Alpine 5-1723

Airmatic Valve, Inc, 7313 Associate Ave, Cleveland 9, O Woodbine 1-5321

Airetool Mfg Co, 302 S Center St, Springfield, O Fairfax 3-4987
Baton Rouge 6, La, 433 Bellwood Dr Walnut 1-0573
(Chicago) Worth, Ill, 7357 W 109 St Gibson 8-8563
Houston 6, Tex, 2046 Bank St Jackson 3-5926
N Y 7, 50 Church St Barclay 7-6655
(Phila) Prospect Park, Pa, 650 Maryland Ave Lehigh 2-5700
Pittsburgh 34, Pa, 3829 Willow Ave Fieldbrook 1-9181
Tulsa 4, Okla, 2603 E 3 St Webster 6-8852

Ajax Flexible Coupling Co, Inc, Westfield N Y Fairview 6-3121

(The) Akron Metallic Gasket Co, 150 N Union St, Akron, O JE 5-7184

Alco Products, Inc, Dept 910, Box 1065, Schenectady, N Y FR 7-3311
Beaumont, Tex, 220 Ave A, Box 512 Terminal 3-3351
Chicago 4, Ill, 916 McCormick Bldg Wabash 2-6234
Cleveland 13, O, Terminal Tower Bldg Cherry 1-1953
Houston, Tex, Bank of The Southwest Bldg Capital 2-9076
Los Angeles 22, Cal, 6363 Corsair Raymond 3-4607
N Y 36, 530 5 Ave Yukon 6-0600
North Bergen, N J, 5901 N Tonnelle Ave Longacre 4-1589
Phila 3, Pa, Rm 1036, 1617 Pennsylvania Ave Locust 4-4881
Pittsburgh 20, Pa, 875 Greentree Rd Walnut 2-3806
St Louis 16, Mo, 4050 Bingham Ave Flanders 1-8810
San Francisco, Cal, 235 Montgomery St Douglass 2-7393
Tulsa, Okla, 3216 E 21 St Webster 2-3561
Washington 6, D C, 910 17 St, NW District 7-3544

(The) Aldrich Pump Co, 1 Pine St, Allentown, Pa Hemlock 4-7277

Alemite Div see Stewart Warner Corp

Allegheny Ludlum Steel Corp, Oliver Bldg, Pittsburgh 22, Pa Court 1-5300
Birmingham 5, Ala, 3515 3 Ave S Fairfax 2-0548
Buffalo 14, N Y, 2960 Main St TF 6-4355
Charlotte 9, N C, 1715 Wensley Dr Lafayette 3-8650
Chicago 32, Ill, 4747 S Kedzie Ave Lafayette 3-8650
Cincinnati 2, O, 1109-10 Carew Tower Bldg Parkway 1-8180
Cleveland 15, O, 3101 Euclid Ave Utah 1-0500
Dallas 6, Tex, 5646 Milton Emerson 1-2891
Dayton 4, O, 1270 McCook Ave Baldwin 6-2357
Detroit 20, Mich, 1500 Jarvis Ave Jordan 4-6900
Indianapolis 1, Ind, 1801 E DeLoss St Melrose 2-6521
Kansas City 13, Mo, P O Box 7133 Colfax 2-5679
Los Angeles 22, Cal, 5333 E Slauson Ave Raymond 3-1181
Milwaukee 12, Wis, 3800 N 1 St Woodruff 4-3500
Minneapolis 10, Minn, 3016 W 50 St Walnut 7-7613
N Y 17, 270 Park Ave Murray Hill 2-0369
Phila 3, Pa, 1617 Pennsylvania Blvd Locust 3-4130
Portland 5, Ore, 1220 S W Morrison St Capital 8-2692
St Louis 8, Mo, 3615 Olive Ave Jefferson 3-6700
San Francisco 7, Cal, 36 Berry St Exbrook 7-0935
Seattle 1, Wash, Henry Stuart Bldg Mutual 2-2180
Springfield 1, Mass, 469-473 Taylor St Republic 4-4996
Syracuse 2, N Y, 114 S Warren St Granite 4-4829
Washington 5, D C, 1001 15 St NW Executive 3-4232

Allen-Sherman-Hoff Co, 239 E Lancaster Ave, Wynnewood, Pa Midway 2-8400
Chicago 5, Ill, 407 S Dearborn St Harrison 7-7002
N Y 16, 271 Madison Ave Murray Hill 5-9157

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV,** 40 Rector St, N Y 6 Hanover 2-7300

Allied Metal Hose Co, 3772 9 St, L I C 1, N Y ST 4-5173

Allied Steel & Conveyors Div, Sparton Corp, 2400 E Ganson St, Jackson, Mich State 4-9131
Detroit 12, Mich, 17333 Healey Ave Twinbrook 2-3040

Allied Steel Products Corp, 101A N 8 St, Kenilworth, N J BR 6-2626

Allied Witan Co, Inc, 12500 Bellaire Rd, Cleveland 35, O 941-2800

Allis-Chalmers Mfg Co, 1135 S 70 St, Milwaukee 14, Wis Spring 4-3600
Branches in all principal cities
Engine Material Handling Div

Allmetal Screw Products Co, Inc, 821 Stewart Ave, Garden City, L I, N Y Pioneer 1-1200
Chicago 34, Ill, 6424 W Belmont Ave Avenue 2-3232
Culver City, Cal, 5822 W Washington Blvd Webster 3-9595

Alloy Flange & Fitting Corp, 39-32 Review Ave, L I C 1, N Y EM 1-9696

Alloy Products Corp, 1045 Perkins Ave, Waukesha, Wis Liberty 2-6604

Alloy Steel Products Co, 1329 W Elizabeth Ave, Linden, N J Wabash 5-4600
Atlanta, Ga, 76 4 St NW Trinity 4-4582
Baton Rouge, La, 8150 Florida Blvd Walnut 4-2301
Birmingham, Ala, 1925 S 29 Ave Tremont 1-2051
Boston, Mass, 470 Atlantic Ave Hancock 6-4849
Buffalo, N Y, 3053 Main St Atwater 4830
Chicago, Ill, 332 S Michigan Blvd Harrison 7-8841
Houston, Tex, P O Box 6704 Jackson 8-5581
Los Angeles, Cal, 5408 Beverly Blvd Raymond 3-4250
N Y C, 350 5 Ave, Rm 2823A Longacre 5-0346
Pittsburgh, Pa, 310 Investment Bldg Grant 1-8592
Port Washington, N Y, P O Box 350 7-1220
St Louis 22, Mo, 11001 Manchester Yorktown 5-3778
San Francisco, Cal, 24 California St Yukon 6-6286
Wilmington, Del, 226 W 9 St Olympia 2-1477

Alpha Plastics, Inc, 78 Okner Pkwy, Livingston, N J Wyman 2-6400

Alsop Engrg Corp, 61 Center St, Milldale, Conn Southington: MA 8-9661

Alten Foundry & Mach Works, Inc, P O Box 426 Lancaster 2, O Olive 3-1131

Aluminum Co of America, 1501 Alcoa Bldg, Mellon Sq, Pittsburgh 19, Pa Atlantic 1-4545
Atlanta 9, Ga, Alcoa Bldg, 1615 Peachtree St Trinity 5-7441
Chicago 11, Ill, McGraw-Hill Bldg, 520 N Michigan Ave Delaware 7-8181
Cleveland 13, O, 1450 Terminal Tower Cherry 1-6880
Dallas 1, Tex, 1900 Fidelity Union Tower Riverside 1-6291
Detroit 2, Mich, 610 New Center Bldg Trinity 1-8100
Los Angeles 17, Cal, 1145 Wilshire Blvd Huntley 2-2680
N Y 17, 230 Park Ave Murray Hill 6-8046
Seattle 1, Wash, 1411 4 Ave Bldg Main 4-4040
St Louis 8, Mo, 10 Fl, Continental Bldg Franklin 1-6700

Alvey Conveyor Mfg Co, 9345 Olive St Rd, St Louis 32, Mo Wydown 3-4700

Amercoat Corp, 4809 Firestone Blvd, South Gate, Cal Lorain 4-2581
Buffalo 20, N Y, 111 Colgate Ave South 0300
Evanston, Ill, 921 Pitner Ave Davis 8-0250
Chicago: Longbeach 1-2940
Houston, Tex, 6530 Supply Row Walnut 3-2878
Jacksonville, Fla, 2404 Dennis St Elgin 5-2693
Kenilworth, N J, 360 Carnegie Ave Chestnut 5-9110
N Y C: Digby 9-0114

American Air Filter Co, Inc, 215 Central Ave, Louisville 8, Ky Melrose 7-3611
Branches in all principal cities

American Aluminum Co, 230 Sheffield St, Mountainside, N J Adams 3-3500

American Biltrite Rubber Co, Inc, Boston Woven Hose & Rubber Div, Box 1071, Boston 3, Mass Trowbridge 6-6000
Atlanta, Ga, 2131 Plaster Bridge Rd
Broadview, Ill, 2651 Gardner Rd
Dallas, Tex, 2621 Irving Blvd
Denver, Colo, 710 W Colfax Ave
Indianapolis, Ind, 212 S Capital Ave
Memphis, Tenn, Poplar Ave & River Front
Minneapolis, Minn, 1002 Baker Bldg
N Y C, 30 Church St
Oakland, Cal, 103 Grand Ave
Phoenix, Ariz, 327 E Jefferson St
Portland, Ore, 205 NW 5 Ave
Richmond, Va, 2103 N Hamilton St
St Louis, Mo, 801 N 2 St

American Brazing Alloys Corp, P O Box 11, Pelham, N Y MO 4-5858

American Can Co, Canco Div, 100 Park Ave, N Y 17 Murray Hill 6-4900

American Car & Foundry, Div A C F Industries, Inc, P O Box 109, Dept A Pioneer 2-7601
Berwick, Pa Berwick 3611
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8300
Cleveland 13, O, Terminal Tower Bldg Cherry 1-3921

Huntington 5, W Va, P O Box 547 Jackson 3-0133
Phila 3, Pa, 742 Transportation Bldg, 6 Penn Center Plaza Rittenhouse 6-5610
St Louis 1, Mo, 705 Olive St Bldg Chestnut 1-2745
San Francisco 4, Cal, 111 Sutter St, Rm 529 Douglas 2-1143
Washington 6, D C, 1625 K St NW Republic 7-1870

American Cast Iron Pipe Co, see Acipco Steel Products Div

American Chain & Cable Co, Inc
See separate listings by divisions:
American Chain Div
Helicoid Gage Div
Wilson Mechanical Instrument Div
Wright Hoist Div

American Chain Div, American Chain & Cable Co, Inc, 454 E Princess St, (CW), York, Pa 5431

American Felt Co, Filter Products Div, 24 Glenville Rd, Glenville, Conn Jefferson 1-8700
Atlanta 13, Ga, 305 Techwood Dr, NW Jackson 2-3648
Boston 10, Mass, 211 Congress St Hancock 6-6158
Boynton Beach, Fla, Box 482, Mission Hill Rd 3163
Chicago 7, Ill, 847 W Jackson Blvd Canal 6-4222
Cleveland 14, O, 1845 E 9 St Main 1-3978
Dallas 4, Tex, 3209 McKinney Riverside 2-7928
Detroit 7, Mich, 3000 E Jefferson Ave Loraine 7-7010
Greenville, S C, 405 Orders St Cedar 2-7691
Los Angeles 21, Cal, 763 E 14 St Richmond 9-6121
N Y 1, 350 5 Ave Chickering 4-8768
Phila 6, Pa, 435 Chestnut St Walnut 5-7899
Portland 14, Ore, 930 SE Oak St Belmont 5-6649
Rochester 4, N Y, 82 St Paul St Locust 2-3162
St Louis 3, Mo, 1901 Pine St Central 1-7120
San Francisco, Cal, 1235 Howard St Underhill 1-2850
Seattle 9, Wash, 404 Dexter Ave Main 2-6545

American Flange & Mfg Co, Inc, 30 Rockefeller Plaza, N Y 20 Plaza 7-2200

American Gas & Chems, Inc, Box 101, Gracie Sta, N Y 28 Lehigh 5-7336

American Gas Furnace Co, 146 Spring St, Elizabeth, N J Elizabeth 2-2120

American Hard Rubber Co, Ace Rd, Butler, N J TE 8-1000
Akron 9, O, Box 510 Republic 3-2241
Atlanta, Ga, 3597 Kaswick Dr Glendale 7-7918
Chicago 4, Ill, 208 S LaSalle St Franklin 2-3193

American Heat Reclaiming Corp, 1270 6 Ave, N Y 20 Circle 7-8462

American Instrument Co, Inc, 8030 Georgia Ave, Silver Spring, Md Juniper 9-1727

American LaFrance Div, Sterling Precision Corp, 58 E LaFrance St, Elmira, N Y Regent 4-8181
Branches in all principal cities

American Mach & Metals, Inc, East Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y 7, Woolworth Bldg, 233 Bway Rector 2-3822
Springfield 3, Mass, 292 Worthington State 5-5460
Washington 5, D C, 1333 G St NW Republic 7-3875
See separate listings by divisions:
Filtration Engrs Div
Filtration Fabrics Div
Niagara Filters Div
Tolhurst Centrifugals Div
United States Gauge Div

American Meter Co, Inc, 13500 Philamont Ave, Phila, Pa Orchard 3-2100
Atlanta 24, Ga, 200 Otley Dr NE Trinity 6-6783
Pump Div

American Optical Co, Safety Products Div, 90 Mechanic St, Southbridge, Mass Porter 4-3211
Atlanta 24, Ga, 524 Plaster Ave, NE Trinity 3-1074
Cleveland 14, O, 1325 Rockwell Ave Cherry 1-3936
Denver, Colo, 644 Delaware St Alpine 5-6661
Detroit 28, Mich, 8865 Schaefer Rd Webster 3-5761
Franklin Pk, Ill, 10129 Pacific Ave Gladstone 1-0080
Hollywood, Cal, 1433 Cole Pl 3-4161
Houston 19, Tex, 1201 W Clay St Jackson 6-1421
Phila, Pa, 66 N Juniper St Locust 4-5719
St Louis, Mo, 1704 Washington Blvd Central 1-7272
San Francisco, Cal, 141 Industrial St Valencia 6-8300
Seattle, Wash, 312 Dexter Ave, N Main 4-8770

(The) American Pulley Co, 4200 Wissahickon Ave Phila 29, Pa BA 5-4400
Dallas, Tex, 2110 Farrington St RI 8-8454
Franklin Park, Ill, 10161 Pacific Ave Gladstone 1-0420
Oakland, Cal, 800 51 Ave Andover 1-9681

American Pulverizer Co, 1127 Macklind Ave, St Louis, Mo Sterling 1-6100

American Smelting & Refining Co, 120 Bway, N Y 5 Rector 2-9500

American-Standard Controls Div, 5900 Trumbull Ave, Detroit 8, Mich Trinity 2-0300

American Sterilizer Co, 2362 W 23 St, Erie, Pa Glendale 6-2021
Branches in all principal cities

American Water Softener Co, DeHaven Rd, Conshohocken, Pa Taylor 8-5911

American Wood Products Corp, P O Box 681, Marion, S C 701

American Zinc, Lead & Smelting Co, 1522 Paul Brown Bldg, St Louis 1, Mo CE 1-5390

Ames Iron Works, Inc, 29 E 2 St, Oswego, N Y FI 3-2920

Ampco Metal, Inc, 1730 S 38 St, Milwaukee 1, Wis Mitchell 5-3750
Chicago 46, Ill, 6124 N Milwaukee Ave Spring 4-0100
Cincinnati 37, O, Roselawn Center Bldg, Section & Reading Rds Jefferson 1-0261
Cleveland 13, O, 506 United Office Bldg, 25 & Loraine Ave Prospect 1-1341
(Dallas) Garland, Tex, 630 S Jupiter Rd Broadway 6-6181
Detroit 1, Mich, 4612 Woodward Ave Temple 2-2540
Englewood, N J, 16-22 Palisade Ave Lowell 7-0832
Hartford, Conn, 147 Fairfield Ave Jackson 2-9052
Indianapolis 4, Ind, 230 S Pennsylvania St Melrose 8-0284
(Los Angeles) Huntingdon Park, Cal, 6131 Maywood Ave Ludlow 8-9111
(Phila) Upper Darby, Pa, 29 St Theatre Bldg, Garrett Rd & Market St Flanders 2-5991
Pittsburgh 35, Pa, 211 Nelbon Ave Penhurst 1-2232

Anaconda American Brass Co, 414 Meadow St, Waterbury 20, Conn Plaza 4-1121
Branches in all principal cities

Anaconda Metal Hose Div, 698 S Main St, Waterbury 20, Conn Plaza 4-121
Atlanta 8, Ga, 712 W Peachtree St NW Trinity 5-9291
Boston, Mass, 824-826 Boylston St, Chestnut Hill 67 Aspinwall 7-2512
Chicago 39, Ill, 4501 W North Ave Belmont 5-1000
Cincinnati 2, O, 101 W 4 St Garfield 1-2552
Cleveland 1, O, 2200 W 117 St Clearwater 1-1105
Dallas 25, Tex, 5531 E University Blvd Tashmoo 5-3500
Detroit 31, Mich, 174 S Clark Ave Oxford 7-1166
N Y 16, 99 Park Ave
Oakland 12, Cal, 2150 Franklin St
Paramount, Cal, 14900 Garfield Ave
Philadelphia 22, Pa, 111 W Norris St Nebraska 4-7700
St Louis 3, Mo, 1221 Locust St Chestnut 1-1155
Syracuse 2, N Y, 800 State Tower Bldg Harrison 2-1205

Analytical Measurements, Inc, 585 Main St, Chatham, N J Mercury 5-7474

Anchor Engrg Co, 29-09 Bridge Plaza N, L I C 1, N Y Stillwell 4-7824

Anchor Hocking Glass Corp, 230 Glass Ave, Lancaster, O Olive 3-3131
Atlanta 9, Ga, 1430 W Peachtree St, NW Trinity 5-8994
Baltimore 2, Md, 10 Light St Mulberry 5-0924
Cambridge 42, Mass, 238 Main St University 4-9242
Chicago 54, Ill, 1572 Mdse Mart Delaware 7-4200
Cincinnati 2, O, 617 Vine St Garfield 1-1122
Cleveland 14, O, 925 Euclid Ave Superior 1-9170
Denver 5, Colo, 3101 Walnut St Tabor 5-8798
Detroit 35, Mich, 17500 W 8 Mile Rd Elgin 6-8500
Fresno 1, Cal, 928 Belmont Ave Amherst 6-4842
Houston 1, Tex, 1002 Washington Ave Capitol 4-2928
Indianapolis 8, Ind, 2214 N Meridian St Walnut 4-6268
Jacksonville 7, Fla, 1408 Prudential Bldg Exbrook 8-4566
Los Angeles 22, Cal, 4855 E 52 Pl Ludlow 1-7111
Louisville 2, Ky, 455 S 4 St Juniper 2-2471
N Y 17, 415 Madison Ave Templeton 8-9300
Phila 7, Pa, 12 S 12 St Market 7-6820
Pittsburgh 20, Pa, 875 Greentree Rd Walnut 2-4144
Raleigh, N C, 617 Hillsboro St Temple 3-8084
Rochester 4, N Y, 328 Main St E Baker 5-2432
St Louis 5, Mo, 8000 Bonhomme-Clayton Parkview 7-2297
San Francisco 11, Cal, 340 Market St Yukon 1-0505
Seattle 4, Wash, 1000 4 Ave S Elliott 3444

Anderson Bros Mfg Co, 1907 Kishwaukee St, Rockford, Ill WO 4-4611

(The) V D Anderson Co, Div International Basic Economy Corp, 1974 West 96 St, Cleveland 2, O OL 1-1900

H Reeve Angel & Co, Inc, 8 Bridwell Pl, Clifton, N Y PR 3-5800

Ansul Chem Co, 1 Stanton St, Marinette, Wis Redwood 5-7411
Chicago 17, Ill, 8933 Stony Island Ave Regent 1-0650
Cleveland 15, O, 1048 Hanna Bldg, Euclid Ave & E 14 St Cherry 1-1388
Detroit, Mich, 16115 Myers Rd Diamond 1-6346
Houston 23, Tex, P O Box 18445 Walnut 3-9449
Kansas City, Mo, 3303 Gilham Rd, P O Box 4755 Jefferson 1-1616
Los Angeles 22, Cal, 6470 Corvette St Raymond 3-8931
Paoli, Pa, 24 State Rd, P O Box 306 Niagara 4-4550
N Y 6, 74 Trinity Pl, Rm 1103 Whitehall 4-1350

Apex Scientific Co, 59 Donna Maria, Orinda 4, Cal Drake 6-5041

Applied Research Labs, P O Box 1710, Glendale 5, Cal Chapman 5-5524
Chicago 32, Ill, 2454 W 38 St Lafayette 3-7088
Dearborn 8, Mich, 20200 W Outer Dr Logan 5-6633
Houston 35, Tex, 11103 Atwell Dr Kemah 877-4531
Pittsburgh, Pa, 3215 Longwood Dr Tuxedo 2-5977
Summit, N J, P O Box 102 Crestview 7-2900

Applied Science Labs, Inc, 144 N Barnard St, State College, Pa Adams 8-0221

(The) Arco Co, 7301 Bessemer Ave, Cleveland 27, O MI 1-1170
Chicago, Ill, 4724 S Christiana
Los Angeles, Cal, 4754 E 49 St

Arcos Corp, 1500 S 50 St, Phila 43, Pa SA 7-1500
Bell Gardens, Cal, 6222 Chalet Dr Spruce 3-4390
(Boston 34) Allston, Mass, 28 Travis St Stadium 2-7155
(Boston) Needham Hts 94, Mass, 45 Kearney Rd Hillcrest 4-4088
Chicago 8, Ill, 1500 S Western Ave Monroe 6-1866
Los Angeles 12, Cal, 123 S Santa Fe Ave Madison 6-9438

Aries Assoc, Inc, 225 Greenwich Ave, Stamford, Conn DA 5-2236

Armstrong Cork Co, 4509 Nace Rd, Lancaster, Pa Express 7-0611
Branches in all principal cities

R M Armstrong Co, P O Box 566C, West Chester, Pa Owen 6-1041

Arrow Tank Co, Inc, 16 Barnett St, Buffalo 15, N Y TX 3-7200

Artisan Metal Products Inc, 73 Pond St, Waltham 54, Mass Twinbrook 3-6800

Associated Valve Co, Walnut & Center Sts, N Wales, Pa Oxbow 9-4485

Atkomatic Valve Co, Inc, 545 W Abbott St, Indianapolis 25, Ind Melrose 8-6545

Atlantic Research Corp, Shirley Hwy at Edsall Rd, Alexandria, Va Fleetwood 4-3400

Atlas Valve Co, 280 South St, Newark 5, N J MI 2-2464

Aurora Pump Div, N Y Air Brake Co, 910 Loucks St, Aurora, Ill Twinoaks 2-4381
Chicago, Ill, 407 S Dearborn Wabash 2-0100
Decatur, Ga, 137 New St Drake 3-7579
N Y 17, 230 Park Ave Lexington 2-1900

Autoclave Engrs Inc, 2917 W 22 St, Erie, Pa TE 8-2071
Newark, N J, Bldg 1, Newark Airport, Rm 234 Market 3-4355
Oak Park, Ill, 1103 Westgate Ave Euclid 3-2767

Automatic Sprinkler Corp of America, Brittain & Jones Sts, Youngstown, O RI 6-6561
Branches in all principal cities

Automatic Switch Co, 54 P Hanover Rd, Florham Park, N J Frontier 7-4600
N Y C: Digby 4-3765
Chicago 45, Ill, 2221 W Howard St Rogers Park 1-7450
Haddonfield, N J, 1500 Kings Hwy, E Hazel 9-0300
Los Angeles 22, Cal, 1233 Goodrich Blvd Raymond 3-3669
W Newton 65, Mass, 1447 Washington St Lasell 7-5700

Automotive Rubber Co, Inc, 12550 Beech Rd, Detroit 39, Mich Kenwood 2-3000
Chicago, Ill, 549 Randolph Dearborn 2-4337
(Cleveland), Chagrin Falls, O, 19 N Franklin Churchill 7-6100
Indianapolis 20, Ind, 5425 N College Clifford 5-8741
N Y C, 55 W 42 Ave Chickering 4-6237

Axel Plastics Research Labs, 41-14 29 St, L I C, N Y RA 9-4646

B

BIF Industries, Inc, 345 Harris Ave, Providence, RI Gaspee 1-4302
Baton Rouge, La, 256 Peachtree Blvd at Florida Dickens 3-4451
Buffalo, N Y, 2302 Main St Parkside 1825
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J C Carlile Corp, 432 Cooper Bldg, Denver 2, Colo Amherst 6-0603
Carpenter Steel Co, 126 W Bern St, Reading, Pa FR 4-8211
Atlanta, Ga, 740 Bluff St, SW JA 3-6470
Bridgeport 6, Conn, 116 Front St ED 6-1105
Buffalo 25, N Y, 3810 Union Rd NT 4-3000
(Chicago) Melrose Pk, Ill, 4501 James Pl Murray 1-3500
Chicago: Estebrook 9-8000
Cincinnati 12, O, 3811 Pacific Ave RE 1-5088
Cleveland 35, O, 4901 W 150 St Clearwater 2-2400
Dallas 19, Tex, 3511 Hall St Lakeside 6-8937
Dayton 4, O, 229 Leo St BA 4-7456
Detroit 12, Mich, 7170 E McNichols Rd FO 6-3400
Hartford 1, Conn, 3284 Main St JA 7-7174
Houston 17, Tex, 2502 Broad St OL 4-6564
Indianapolis 7, Ind, 1618 W Washington St ME 2-5401
Los Angeles 58, Cal, 4423 E District Blvd LU 7-9131
Milwaukee 16, Wis, 4152 N 35 St UP 3-0530
Mountainside, N J, 1110 Globe Ave AD 2-8600
Newark: MA 2-1703
(N Y C) Woodside 77, N Y, 27-07 Bklyn-Queens Expwy W Ravenswood 1-9210
(Phila) Ft Washington, Pa, Industrial Pk Chestnut Hill 8-2500
Pittsburgh 20, Pa, Pkwy Office Center, 875 Greentree Rd Walnut 1-7755
Providence 5, R I, 56 Dudley St DE 1-5769
St Louis 8, Mo, 3942 Laclede Ave OL 2-6700
(San Francisco) Belmont, Cal, 1530 Industrial Way LY 3-8461
Seattle 1, Wash, 3318 White Henry Stuart Bldg MU 2-2153
Syracuse 2, N Y, 712 State Tower Bldg HA 2-0512
Toledo 12, O, 1034 Laskey Rd GR 4-0594
Carrier Corp, Carrier Pkwy, Syracuse 1, N Y Howard 3-8411
Carrier Div, Chain Belt Co, 233 N Jackson St, Louisville 2, Ky Juniper 7-9231
Carver Pump Co, 1056 Hershey Ave, Muscatine, Iowa Amherst 3-3410
A W Cash Co, 540 N 18 St, Decatur, Ill 428-3401
Catalytic Construction Co, 1528 Walnut St, Phila 2, Pa Kingsley 5-7500
Caterpillar Tractor Co, Peoria, Ill 676-3311
►**CELANESE PLASTICS CO, DIV CELANESE CORP OF AMERICA,**
744 Broad St, 7 fl, Newark 2, N J Mitchell 2-6800
Cellucord Corp, 111 W 50 St, N Y 20 Circle 7-2860
Chicago 6, Ill, 400 W Madison St Financial 6-4477
Cellulo Co, P O Box Dept CW, Sandusky, O MA 5-3462
Central Steel & Tank Co, 1106 N 16 Ave, P O Box 13, Yakima, Wash Glencourt 2-9143
Centrico, Inc, 75 W Forest Ave Englewood, N J Lowell 9-0755
San Mateo, Cal, 3315 Caxton Ct Fireside 5-7065
Tampa 11, Fla, 45-24 S Louis Ave 65-9882
Century Elec Co, 18 & Pine Sts, St Louis 3, Mo Central 1-4920
Branches in all principal cities
Chain Belt Co, 4701 W Greenfield Ave, Milwaukee 1, Wis Evergreen 4-3000
Appleton, Wis, 103 W College Ave Regent 4-4944
Atlanta, Ga, 1788 Ellsworth Industrial Dr N W Sycamore 4-1566
Baltimore 18, Md, 1115 E 30 St Hopkins 7-6257
Birmingham 4, Ala, 113 N 9 St Alpine 2-5104
Boston 10, Mass, 10 High St Liberty 2-8445
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 5004
Charlotte, N C, 300 Clanton Rd Jackson 3-3861
Chicago 45, Ill, 2701 W Peterson Ave Edgewater 4-6015
(Cincinnati) Woodlawn, O, 10488 Chester Rd Princeton 1-4343
Cleveland 13, O, 60 Public Sq Cherry 1-4325
Dallas 7, Tex, 8601 Sovereign Row Fleetwood 7-4001
Denver 2, Colo, 110 16 St Cherry 4-7467
Detroit 38, Mich, 10600 Puritan Ave Diamond 1-3222
E Orange, N J, 19 N Harrison St Orange 3-2120
Houston, Tex, 2333 Gulf Terminal Dr Walnut 3-2786
Jacksonville, Fla, 1641 Haswell St Elgin 3-5730
Kansas City 11, Mo, 406 W 34 St Jefferson 1-1505
(Los Angeles) Pico Rivera, Cal, 8300 Rex Rd Raymond 3-1381
Milwaukee 14, Wis, 4532 W Greenfield Ave Evergreen 4-3000
Minneapolis 16, Minn, 3033 Excelsior Blvd Walnut 7-7066
Moline, Ill, 1630 5 Ave Moline 4-2433
N Y 6, 19 Rector St Whitehall 3-6141
Odessa, Tex, 400 W 4 Federal 7-8461
Oklahoma City, Okla, 228 N W 2 St Central 5-5997
Phila 24, Pa, 4125 Whitaker Ave Garfield 6-6150
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Locust 3-2000
Portland 10, Ore, 2310 N W 24 Ave Capitol 3-6121
St Louis 5, Mo, 8000 Bonhomme Parkview 7-6917
Salt Lake City, Utah, 10 Exchange Pl Elgin 9-6679
Seattle 4, Wash, 2425 Airport Way Mutual 6750
Springfield 5, Mass, 32 Park St Republic 6-2757
Stamford, Conn, 26 6 St Davis 4-5952
►**CHASE BAG CO,**
355 Lexington Ave, N Y 17 MU 2-6900
Boise, Idaho, 601 Riverview Dr, P O Box 2231 4-3193
Chicago 6, Ill, 309 W Jackson Blvd HA 7-5740
Cleveland 14, O, 726 Union Commerce Bldg CH 1-6660
Denver 6, Colo, 302 Reynolds Bldg, 158 Fillmore St Alpine 5-7744
W Des Moines 5, Iowa, P O Box 186 CR 7-8514
Detroit 26, Mich, 819 Book Bldg Woodward 2-8013
Houston, Tex, 1201 Commerce Ave CA 8-7151
McAllen, Tex, 1217 Vine St MU 6-8232
Memphis 3, Tenn MU 2-1363
Milwaukee 2, Wis, Rm 311, Colby-Abbot Bldg Broadway 6-0655
New Orleans 12, La, 525 Internatl Trade Mart, Camp & Common Sts Tulane 5178
Oklahoma City 6, Okla, P O Box 3581 JA 5-0811
Orlando, Fla, P O Box 7755 GA 3-2554
Phoenix, Ariz, P O Box 5206 McDowell Sta CR 4-3012
Pittsburgh 19, Pa, 550 Grant St, Suite 146 Grant 1-1131
Richmond 27, Va, 6009 W Broad St, P O Box 8272 AT 8-2886
St Louis, Mo, 5100 Oakland Ave JE 5-2255
Salt Lake City, Utah, 4985 Holladay Blvd CR 7-1612
San Francisco 9, Cal, 2535 Van Ness Ave GR 4-3533
Toledo 1, O, Brown & Nebraska Sta, P O Box 897 CH 4-5811
Worcester 5, Mass, 12 Apollo Rd Pleasant 4-7054
Chase Brass & Copper Co, Inc, 236 Grand St, Waterbury 20, Conn Plaza 6-9444
Branches in all principal cities
Chase Chem Corp, 3527 Smallman St, Pittsburgh 1, Pa Museum 1-6544
Chase & Sons, Inc, 26 Spruce St, N Quincy, Mass President 3-5100
Chemetron Corp, 840 Michigan Ave, Chicago 11, Ill WH 4-3100
See separate listings by divisions:
Cardox Div
National Cylinder Gas Div
Tube Turns Div
Chem Flow Corp, 190 Patterson Ave, Little Falls, N J Clifford 6-6144
Chemical & Power Products, Inc, 11 Bway, N Y 4 WH 4-2918
Chemical & Industrial Corp, 256 McCullough St, Cincinnati 26, O East 1-8285
Chemicolloid Labs, Inc, 55 Herrick Rd, Garden City Pk, N Y Pioneer 7-2666
Chemineer, Inc, 1044 E 1 St, Dayton 2, O Baldwin 2-8361
N Y 17, 60 E 42 St Murray Hill 7-7344
Chem-Pure Service Co, 760 Industrial Rd, San Carlos, Cal Lytell 3-8218
Chicago-Allis Mfg Corp, 113-125 N Green St, Chicago 7, Ill Monroe 6-5050
Chicago Bridge & Iron Co, 322 S Michigan Ave, Chicago 4, Ill Harrison 7-6708
Atlanta 3, Ga, 57 Forsyth St NW Jackson 5-5561
Birmingham 1, Ala, P O Box 277 Worth 1-1191
Boston 10, Mass, 201 Devonshire St Hancock 6-8441
Cleveland 15, O, 25 Prospect Ave W Cherry 1-1218
Detroit 26, Mich, Rm 907, LaFayette Bldg Woodward 3-0035
Houston 2, Tex, C & I Life Bldg Capitol 3-4425
Kansas City, Mo, 7926A Statline Rd
New Orleans 19, La, P O Box 7146

N Y 6, 165 Bway Cortlandt 7-2900
Phila 2, Pa, 6 Penn Center Plaza
Pittsburgh 19, Pa, 425 6 Ave
Salt Lake City 10, Utah, P O Box 687
Hunter 4-8551
San Francisco 4, Cal, 100 Bush St Exbrook 2-8936
Seattle 1, Wash, 1318 4 Ave Seneca 7487
S Pasadena, Cal, 712 Fair Oaks Ave Ryan 1-2865
Tulsa 14, Okla, 6 Dowell Bldg Riverside 2-5511
Chicago Gasket Co, 1276 W North Ave, Chicago 22, Ill Humbolt 6-3060
Chicago Mill & Lumber Co, 33 S Clark St, Chicago 3, Ill State 2-3622
Chicago Pneumatic Tool Co. 6 F 44 St, N Y 17 MU 7-1700
Atlanta 9, Ga, 91 16 St NW Trinity 4-8696
Birmingham 4, Ala, 810 5 Ave N Fairfax 2-6514
Boston 35, Mass, 76 Lincoln St Stadium 2-8088
Buffalo 2, N Y, 132 W Chippewa St Washington 8248
Chicago 19, Ill, 936 E 87 St Hudson 8-2400
Cincinnati 29, O, 4511 Reading Rd Jefferson 1-6325
Cleveland 14, O, 1643 Superior Ave Main 1-8065
Dallas 7, Tex, 1021 Levee St Riverside 1-4568
Denver 4, Colo, 465 Acoma St Race 2-2813
Detroit 26, Mich, 570 E Larned St Woodward 1-3841
Houston 23, Tex, 2120 Canada Dry St Walnut 3-4601
Los Angeles 22, Cal, 6935 Bandini Blvd Raymond 3-8731
Milwaukee, Wis, 5820 W Blue Mound Rd Blue Mound 8-2080
Minneapolis 3, Minn, 1406 1 Ave S Federal 9-6747
New Orleans, La, 3303 Tulane Ave Hunter 2-5715
N Y 17, 6 E 44 St Murray Hill 7-1700
(Phila) Wynnewood, Pa, 312 E Lancaster Ave Midway 9-9300
Pittsburgh 13, Pa, 369 Coltart Ave Museum 1-9822
St Louis 17, Mo, 8029 Litzsinger Rd Misson 5-7511
Salt Lake City 1, Utah, 156 W 4 St S Elgin 5-2985
San Francisco 3, Cal, 855 Bryant St Hemlock 1-7928
S San Francisco, 145 Mitchell Ave Juno 9-2342
Seattle 4, Wash, 2901 1 Ave S Main 2-3930
Tulsa, Okla, 3120 S Winston Ave Riverside 2-2475
Washington 6, D C, 726 Mills Bldg Executive 3-3770
Chiksan Co, subs Food Machy & Chem Corp, 330 N Brea Blvd, Brea, Cal Jasper 9-2121
Cincinnati Rubber Mfg Co, Franklin Ave, Cincinnati 12, O ME 1-0691
Chicago, Ill, 1834 S Laramie Bishop 2-1845
N Y C, Rm 4003, Woolworth Bldg Courtland 7-5225
Clarage Fan Co, 1 Clarage Pl, Kalamazoo, Mich Fireside 9-1541
Akron, O, 2108 Braewick Circle Temple 6-5549
Atlanta, Ga, 795 Peachtree N E Trinity 6-4205
Baltimore, Md, 12 E 21 St Belmont 5-1661
Chicago, Ill, 205 W Wacker FR 2-2700
Cincinnati 2, O, 626 Bway Garfield 1-0213
Cleveland 15, O, 1501 Euclid Ave Cherry 1-3533
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-0332
Newark 2, N J, 972 Broad St Mitchell 2-1222
N Y 36, 500 5 Ave Penn 6-6863
(Phila) Bala-Cynwyd, Pa, 7 Bala Ave Mohawk 4-2736
Rochester, N Y, 339 East Ave Baker 5-8130
Toledo 13,O. 4239 Monroe St Greenwood 4-2101
Waltham, Mass, 751 Main St Twinbrook 3-4441
W Hartford 7, Conn, 1000 Farmington Ave Jackson 3-7348
Clark Bros Co, Div Dresser Industries Inc, Olean, N Y FR 2-2101
Atlanta 5, Ga, 3166 Maple Dr, NE Cedar 3-9677
Chicago 11, Ill, 3002 Palmolive Bldg Whitehall 4-5411
Dallas 6, Tex, 4512 N Central Expwy Taylor 4-1659
Denver 2, Colo, 620 17 St Cherry 4-9213
Houston 13, Tex, 1619 Ovid St Capitol 8-2331
Los Angeles 58, Cal, 5120 Pacific Blvd Ludlow 3-4207
Midland, Tex, Drawer 4217 Mutual 3-2791
New Orleans 21, La, 800 Central Ave Vernon 3-7277
N Y 17, 1400 Chanin Oxford 7-2800
Phila 3, Pa, 1612 Market Sq Locust 3-8828
Pittsburgh 22, Pa, Rm 451, No 2 Gateway Center Court 1-0718
San Francisco 5, Cal, 417 Market St Yukon 1-1412
Shreveport, La, 1207 Petroleum Tower Bldg 422-9124
Tulsa 16, Okla, 1354 S Sheridan Rd Temple 5-8437
Clark-Cooper Div, Frederic B Stevens, Inc, 315 Market St, Palmyra, N J 829-4580
Clark Equipment Co, Industrial Truck Div, Battle Creek, Mich Woodward 2-6561
Chicago 1, Ill, 3400 N Western Ave DE 7-6057
Cleveland 11, O, 3471 W 140 St
Detroit 2, Mich, 300 E Milwaukee Ave Trinity 1-1600
Newark 5, N J, 357 Wilson Ave
New Orleans 8, La, 7838 Earhart Blvd University 6-1876
N Y 19, 712 11 Ave OX 7-7755
(The) Clark Mfg Co, 1830 E 38 St, Cleveland 14, O Express 1-1414
J L Clark Mfg Co, 2300 6 St, Rockford, Ill Woodland 2-8861
Lancaster, Pa, 303 N Plum St
N Y C, Chrysler Bldg
(The) Clarkson Co, 733 Loma Verde Ave, Palo Alto, Cal Davenport 5-4347
Clay-Adams, Inc, 141 E 25 St, N Y 10 Murray Hill 6-4920
Clayton Corp, 4205 Forest Pk Blvd, St Louis, Mo Jefferson 5-6226
Clayton Mfg Co, 467 N Temple City Blvd, El Monte, Cal Cumberland 3-4131
(Cincinnati) Village of Evendale, O, 3501 Exon Ave
Clayton Mark & Co, 9100 Dempster St, Evanston, Ill University 4-9100
Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis WO 2-0100
Cleco Air Tools Div, Reed Roller Bit Co, 5125 Clinton Dr, Houston, Tex Orchard 2-1761
Atlanta 9, Ga, 1299 Spring St, NW TR 4-8729
Baton Rouge, La, 3425 N Acadian Thruway EL 6-2563
Chicago 29, Ill, 5926 S Pulaski Rd PO 7-1166
Cleveland 18, O, 1956 Lee Rd YE 2-6976
Dallas 35, Tex, 2526 W Mockingbird Lane FL 2-9545
Detroit 21, Mich, 18071 Wyoming Ave UN 1-0047
Los Angeles 23, Cal, 2834 Tanager Ave RA 3-4787
Newark 3, N J, 75 Lock St MA 3-0692
Phila 20, Pa, 5220 N 5 St DA 4-5500
Pittsburgh, Pa, 423 McNeilly Rd LO 3-2330
St Louis 20, Mo, 6219 Natural Bridge Rd EV 1-8552
(San Francisco) Burlingame, Cal, 877 Cowan Rd OX 7-7220
Tulsa 9, Okla, 2414 N Lewis Ave LU 5-9074
(The) Cleveland Crane & Engrg Co, Wickliffe, O Whitney 3-3700
(The) Cleveland Vibrator Co, 2704 Clinton Ave, Cleveland 13, O Cherry 1-3959
Cleveland Worm & Gear Div, Eaton Mfg Co, 3300 E 80 St, Cleveland 4, O Vulcan 1-4560
Clinton Valves, Inc, 35135 Groesbeck Hwy, Mt Clemens, Mich
Cochrane Div, Crane Co, 3178 N 17 St, Phila 32, Pa Baldwin 5-2144
Chicago 6, Ill, 309 W Jackson Blvd Harrison 7-0120
Milwaukee 6, Wis, 2411 W Capitol Dr Uptown 1-2177
Minneapolis 24, Minn, 4010 W 65 St Walnut 6-6549
N Y 16, 261 Madison Ave Murray Hill 2-3135
Phila 32, Pa, 3130 N 17 St Baldwin 5-2144
Colburn Labs, Inc, 4340 S Wolcott Ave, Chicago 9, Ill Frontier 6-7575
R D Cole Mfg Co, 57 E Broad St, Newnan, Ga AL 3-3232
Coleman Instruments, Inc, 42 Madison St, Maywood, Ill FI 5-9400
(The) Colonial Iron Works Co, 17647 St Clair Ave, Cleveland 10, O Kenmore 1-2300
(The) Colonial Plastics Mfg Co, Industrial Div, 2685 E 79 St, Cleveland 4, O Endicott 1-5234
Colonial Rubber Co, 101 Oakwood St, Ravenna, O AX 6-9611
(The) Colorado Fuel & Iron Corp, 575 Madison Ave, N Y 22 Murry Hill 8-5400
Albuquerque, N M, 2824 Central Ave S E Chapel 3-5526
Amarillo, Tex, 1008 Fisk Bldg, P O Box 2371 Drake 2-6717
Billings, Mont, 501 N 27 St, P O Box 1763 6-6520
Boise, Idaho, 523-25 Idaho First Natl Bank Bldg, P O Box 1552 3-6461
(Boston) Needham Hts, Mass, 15 4 Ave
Butte, Mont, 401-402 Metals Bank Bldg 5359
El Paso, Tex, 803-5 Bassett Tower Bldg, P O Box 2006 KE 2-7211
Farmington, N M, Shiprock Hwy, P O Box 2088 Davis 5-6802
Ft Worth 2, Tex, 2413 Continental Nati Bank Bldg
Houston 11, Tex, 6609 Supply Row P O Box 9367 Walnut 6-1776
N Kansas City, Mo, 2330 Burlington Ave Baltimore 1-2565
Lincoln 8, Neb, 404-405 Sharp Bldg 2-4441
Los Angeles 22, Cal, 2444 Saybrook Ave Raymond 3-4691
Oakland 6, Cal, 1080 19 Ave, P O Box 270 Kellog 2-2141
Odessa, Tex, 2119 W Murphy St, P O Box 1447 Federal 2-4332
Oklahoma City 6, Okla, 200 Cameron Bldg, 2195 Classen Blvd
Phoenix, Ariz, 201 S 28 St, P O Box 12036
Portland 10, Ore, 1350 N W 31 Ave
Pueblo, Colo, P O Box 316
Salt Lake City 4, Utah, 212 W 13 South St, P O Box 1738 Ingersol 7-5438
San Francisco 4, Cal, 357-58 Russ Bldg, 235 Montgomery St
San Leandro, Cal, 425 Hester St Neptune 6-1959
Seattle 4, Wash, 3434-44 2 Ave S Seneca 4881
Spokane 6, Wash, 4320 E Trent Ave Keystone 5-2071
Tulsa 1, Okla, 4422 W 49 St, P O Box 41, Red Fork Sta Hickery 6-6681
Wichita 5, Kans, 811 E 10 St Hobart 4-4305
See also separate listing by divisions
Wickwire Spencer Steel Div
Arthur Colton Co, 3400 E LaFayette, Detroit 7, Mich Lorain 7-0123
Beverly Hills, Cal, 9426 Santa Monica Blvd Crestview 3-1323
Chicago 39, Ill, 5807 W Diversey Berkshire 7-7610
Englewood, N J, 566 Grand Ave Lowell 8-7324
Combustion Engrg, Inc, 200 Madison Ave, N Y 16 MU 9-4600
Branches in all principal cities
Raymond Div, 427 W Randolph St, Chicago 6, Ill CE 6-4044
COMCO Corp, 5421 Lancaster Ave, Phila 31, Pa TR 8-2912
Commercial Filters Corp, 2 Main St, Melrose 76, Mass Davenport 4-7000
Lebanon, Ind, 415 Indianapolis Ave 50
Chicago 39, Ill, 5816 W North Ave National 2-9050
Ridgefield, N J, 663 Grand Ave Whitney 5-8490
NYC: Longacre 4-9459
Commonwealth Engrg Co of Ohio, 1771 Springfield St, Dayton 3, O Clearwater 3-1165
Condenser Service & Engrg Co, Inc, 150 Observer Hwy, Hoboken, N J Oldfield 9-4425
Conn & Co, 9-11 S Marion St, Warren, Pa Randolph 3-7980
(The) Connecticut Hard Rubber Co, 407 East St, New Haven 9, Conn Spruce 7-3631
Bellevue, Wash, P O Box 555 Glencourt 4-1811
Kirkwood 22, Mo, 118 E Jefferson Taylor 1-0270
Lake Zurich, Ill, 132 Pleasant St General 8-1867
Sandy Springs, Ga, Box 225 Blackburn 5-3777
Torrance, Cal, P O Box 2187 Spruce 5-2518
Conoflow Corp, 2100 Arch St, Phila 3, Pa Locust 7-7560
N Y 7, 30 Church St Worth 2-7553
Consolidated Controls Corp, 22 Durant Ave, Bethel, Conn Pioneer 3-6721
Inglewood 1, Cal, 750 S Isis Ave Orchard 1-7589
Consolidated Electrodynamics Corp, 360 Sierra Madre Villa, Pasadena, Cal Murray 1-8421
Albuquerque, N M, 525 San Pedro Blvd Alpine 5-8671
Arlington, Va, 764 23 St S Otis 4-5065
Atlanta 5, Ga, 3272 Peachtree Rd, Rm 456 Cedar 3-4467
Bellevue, Wash, 808 106 Ave, Rm 208 Glencourt 4-7951
Chicago 45, Ill, 2540 W Peterson Ave Rogers Park 1-4235
Columbus 14, O, 3770 N High St Amherst 7-7568
Denver 22, Colo, 2120 S Birch St Skyline 6-9453
Encino, Cal, 16033 Ventura Blvd, Suite 217 Triangle 3-4478
Hasbrouck Hts, N J, 345 Blvd Atlas 8-2055
Los Altos, Cal, 900 N San Antonio Rd Whitecliff 8-8294
Natick, Mass, 13 Mercer Rd Olympic 5-1810
Phila 4, Pa, 101 N 33 St Evergreen 2-1529
St Louis 17, Mo, 1401 Brentwood Blvd Woodland 2-3542
San Diego, Cal, 3266 Rosecrans St Academy 3-8136
Winter Park, Fla, 2020 W Fairbanks Ave Midway 7-0101
Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y TT 5-0163
Consolidated Vacuum Corp, 1775 Mt Read Blvd, Rochester 3, N Y Glenwood 8-2550
Albuquerque, N M, 301 Washington, S E Amherst 8-9333
Arlington 1, Va, 2030 16 St N WO 6-1946
Atlanta 5, Ga, 3272 Peachtree Rd, N E Cedar 3-1171
Boston 16, Mass, 31 St James Ave Hancock 6-0772
Chicago 45, Ill, 2540 W Peterson Ave Rogers Park 1-1329
Columbus 14, O, 3770 N High St Amherst 7-7834
(Los Angeles) Sherman Oaks, Cal, 4348 Van Nuys Blvd State 8-7300
(N Y C) Hasbrouck Hts, N J, 345 Blvd Atlas 8-9540
Palo Alto, Cal, 4015 Fabian Way Davenport 1-3151
(Phila) Haddonfield, N J, 9 Tanner St Hazel 8-4666
Continental Boiler & Sheet Iron Works, 5604 W Park Ave, St Louis 10, Mo Sterling 1-8500
Chicago 5, Ill, 600 S Michigan Webster 9-3150
N Y 10, 175 5 Ave Oregon 7-6868
►CONTINENTAL CAN CO, INC, METAL DIV, 100 E 42 St, N Y 17 Oxford 7-1200
Branches in all principal cities
Continental Equipment Co, Div Fisher Governor Co, 200 Main St, Corapolic, Pa Amherst 4-3010
Continental Mfg Co, 4545 Alpine Ave, Box 42758-A, Cincinnati 42, O Sycamore 1-1164
N Y 17, 230 Park Ave MU 9-3922
Controlled Atmosphere Enclosures Mfg Co, Inc, 1061A E 8 St, Jacksonville 6, Fla Elgin 4-5604
Conveyors & Dumpers Div, Mercury Industries, 367 Bway, Hillsdale, N J North 4-2636
F J Cooke Inc, Corner Concord & Water St, S Norwalk, Conn Temple 8-7546
Cooper Alloy Corp, 101 Bloy St, Hillside 5, N J MU 8-4120
(The) Cooper-Bessemer Corp, Mt Vernon, O Express 3-0121
Chicago 3, Ill, 913 Peoples Gas Bldg, 122 S Michigan Ave Webster 9-3505
Dallas 1, Tex, 1318 Fidelity Union Life Bldg Riverside 7-2595
Detroit, Mich, 20111 James Couzens Hwy Broadway 2-4060

Gloucester, Mass, 21-23 Water St 2490
(Greggton Station) Longview, Tex, 409 Jones St Plaza 9-4041
Grove City, Pa 36
Houston 24, Tex, 6740 Harwin Dr Sunset 2-7010
Los Angeles 15, Cal, 1940 Lovelace Ave Richmond 9-7241
Metairie, La, 3870 Veterans Hwy Vernon 5-5405
Minneapolis 10, Minn, 5716 France Ave S WA 2-7849
Mission, Kans, P O Box 306 Niagara 2-4207
N Y 36, 548 5 Ave Judson 6-2730
Odessa, Tex, 2626 Kermit Hwy FE 7-8607
Pampa, Tex, 518 W Kingsmill St Mohawk 4-3375
Pittsburgh 19, Pa, 431 Union Trust Bldg, 435 5 Ave GR 1-8514
St Louis 3, Mo, 1514 Locust St Central 1-8305
San Francisco 5, Cal, 210 1 St Yukon 2-2972
Seattle 99, Wash, 943 Elliott Ave, W Atwater 3-5777
Shreveport, La, 403 Lake St 422-8484
Tulsa 1, Okla, 201 E 1 St Luther 2-6156
Washington 5, D C, 440 Investment Bldg, 1511 K St, NW National 8-8310

Copes-Vulcan Div, Blaw-Knox Co, 939 W 26 St, Erie 4, Pa Glendale 4-2431

Coppus Engrg Corp, 300 Park Ave, Worcester 10, Mass PL 2-5638

Matt Corcoran Co, 1102 Industrial Blvd, Louisville 13, Ky 969-9351

E J Corell, 413 Rose Blvd, Akron 20, O Temple 6-4271

Corning Glass Works, Corning, N Y XN 2-5011
Anaheim, Cal, 420 S Euclid Ave Prospect 2-5400
Chicago 54, Ill, 1470 Mdse Mart Delaware 7-6600
Houston 27, Tex, 3202 Weslayan Mohawk 6-0384
N Y 22, 717 5 Ave Plaza 2-1100
Pittsburgh 22, Pa, 4 Gateway Center Grant 1-3538

Corona Mfg Corp, 11300 Tuxford St, Sun Valley, Cal Triangle 7-9818

I D Cotterman, 123 W Spring Ave, Naperville, Ill Elmwood 5-1810

Cox & Co, Inc, 115 E 23 St, N Y 10 Oregon 4-4727

Coyne Cylinder Co, 224a Ryan Way, S San Francisco, Cal Plaza 6-6910
Memphis 9, Tenn, 155 W Bodley Ave Whitehall 8-7789

Crane Co, Industrial Products Group, 4100 S Kedzie Ave, Chicago, Ill Lafayette 3-2900
Branches in all principal cities

Crawford Fitting Co, 885 E 140 St, Cleveland 10, O Liberty 1-5533

Crawford & Russell, Inc, 795 Summer St, Stamford, Conn Davis 5-4104

Crescent Insulated Wire & Cable Co, 319 N Olden Ave, Trenton 9, N J Export 6-9111

Croll-Reynolds Co, Inc, 752 Central Ave, Westfield, N J Adams 2-3171

Croll Reynolds Engrg Co, Inc, 1124 Main St, Stamford, Conn Davis 4-7326

(The) Cromwell Paper Co, 180 N Wabash, Chicago 1, Ill Dearborn 2-6320

Crosby Valve & Gage Co, 3 Kendrick St, Wrentham, Mass Evergreen 4-3121
Chicago, Ill, 220 S State St Harrison 7-7033
Dallas 7, Tex, 1211 Dragon St Riverside 1-4771
Los Angeles, Cal, 5346 Dragon St Angelus 8-5109
N Y 17, 370 Lexington Ave Murry Hill 5-0642

Crowell Designs, Inc, 2106 Bridge Ave, Point Pleasant, N J Twinbrook 9-7800

Crown Cork & Seal Co, 9300 Ashton Rd, Phila 36, Pa Orchard 3-5100
Atlanta 15, Ga, Crown Rd & S Expwy
Baltimore, Md, P O Box 1837
(Birmingham) Leeds, Ala, 100 Ashville Rd Randolph 6-2222
Cambridge 41, Mass, 46 1 St University 8-8180
Chicago 38, Ill, 5235 W 65 St Ludlow 2-7000
Cincinnati 10, O, 1104 Race St Cherry 1-6366
Dallas 1, Tex, 123 Oaklawn Ave Riverside 2-9381
Detroit 4, Mich, 7646 W Chicago Ave Webster 3-6484
Los Angeles 58, Cal, 5025 Hampton St Ludlow 9-5211
(Milwaukee) Cudahy, Wis, 5025 S Packard Ave Humboldt 1-4100
N Y 19, 10 Columbus Circle Circle 5-3200
Orlando, Fla, P O Box 512 Garden 2-9861
San Francisco, Cal, 2650 Bay Shore Blvd Juniper 5-7686
St Louis, Mo, 5622 Natural Bridge Ave Evergreen 5-5200

Crucible Steel Co of America, P O Box 88, Pittsburgh 30, Pa Capital 7-6315
Branches in all principal cities

Culligan, Inc, Northbrook, Ill Crestwood 2-1000
Branches in all principal cities

Cunningham-Limp Co, 3087 W Grand Blvd, Detorit 2, Mich Trinity 3-4000
Atlanta 5, Ga, 3030 Peachtree Rd, N W Ceder 3-8226
Chicago 39, Ill, 5835 W North Ave National 2-0700
Cleveland 18, O, 2000 Lee Rd Yellowstone 2-4120
Flint 6, Mich, 2041 N Dort Hwy Ceder 4-3658
Indianapolis 4, Ind, 621 Illinois Bldg Melrose 4-2397
Kansas City 6, Mo, 909 Scarritt Bldg Victor 2-8791
N Y 19, Canada House, 680 5 Ave Plaza 7-6510
St Louis 6, Mo, 316 Lindell Trust Bldg Olive 2-0200

Cuno Engrg Corp, 60 S Vine St, Meriden, Conn Beverly 7-5541
(Boston) Newtonville, Mass, 815 Washington St Bigelow 4-8002
Buffalo 26, N Y, 4548 Main St Circle 4306
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-4266
Cincinnati, O, Mariemont Center Bldg Bramble 1-5172
Cleveland, O, 4511 Brookpark Rd Shadyside 9-4646
(Los Angeles) San Marino, Cal, 475 Huntington Dr Murry 2-2805
(Phila) Ardmore, Pa, 121 Coulter Ave Midway 2-4041
Pittsburgh 16, Pa, 1610 Potomac Ave LO 1-4460
(San Francisco) Burlingame, Cal, 723 California Dr, P O Box 271 Diamond 2-3537
Waterbury, Conn, 48 Holmes Ave
Winston Salem, N C, 813 Madison Ave S W Park 3-8702

Cutler-Hammer, Inc, 524 N 12 St, Milwaukee 1, Wis Broadway 1-7800
Branches in all principal cities

Cylinders, Inc, 1200 W Blancke St, Linden, N J Cortland 7-8151

D

George W Dahl Co, Inc, 86 Tupelo St, Bristol, R I Clifford 3-9500

Dallas Assoc Labs, 2121 S Central Expwy, Dallas 15, Tex Hamilton 1-1400

Daiweld Co Inc, 13 Bertel Ave, Mt Vernon, N Y MU 4-8698

Darling Valve & Mfg Co, Ft Walnut St, Williamsport, Pa 323-6121
Dallas, Tex, 533 Exchange Bank Bldg Fleetwood 7-1695
NY 36, 500 5 Ave Chickering 4-6018
Toledo, O, 1513 Jefferson Ave Cherry 6-2482

Davidson Kennedy Co, 1090 Jefferson St NW, Atlanta 18, Ga

Davis Foundry & Mach Works, Old Furnace Rd, Rome, Ga 232-6495

(The) Day Co, 870 3 Ave N E, Minneapolis 13, Minn Federal 6-9671
Buffalo 15, N Y, 3580 Harlem Rd TF 3-6968
Chicago 45, Ill, 2937 W Touhy Ave Sheldrake 3-3800
Hoboken, N J, 77 River St Oldfield 6-6010
Kansas City 13, Mo, 6305 Brookside Plaza Emerson 1-0800

(The) J H Day Co, Div Cleveland Automatic Mach Co, 4950 Beech St, Cincinnati 12, O Redwood 1-5300
Chicago 44, Ill, 5967 W Madison St Austin 7-4638
Cleveland, O, 1974 Wynwood Dr Edison 1-1533
Dallas 17, Tex, 8110 Lake June Rd
N Y 17, 480 Lexington Ave YU 6-4170
(Phila) Doylestown, Pa, P O Box 572 CH 9-3743

Dean Bros Pumps, Inc, 323 W 10 St, Indianapolis 7, Ind ME 4-6401
Atlanta, Ga, Box 11731, Northside Sta Ceder 7-3837
Chicago, Ill, 53 W Jackson Blvd Wabash 2-1960
N Y C, 92 Liberty St Barclay 7-9215
St Louis, Mo, 4053 Lindell Blvd Jefferson 5-1604

Dean Products, Inc, 617 Franklin Ave, Bklyn 38, N Y Sterling 9-5400

DeBothezat Fans Div, American Mach & Metals, Inc
Dept CW-58, E Moline, Ill 755-4561
N Y 7, 233 Bway Rector 2-3822
Washington, D C, 1333 G St, Rm 511 Republic 7-3875

(The) DeLaval Separator Co, 25 Columbia St, Poughkeepsie, N Y Globe 2-1000
Ardmore, Pa, 121 Coulter Ave Midway 9-3237
Arvada, Colo, 6345 W 61 St Harrison 4-7585
Boston 16, Mass, 20 Providence St Hancock 6-6695
Chicago 46, Ill, 5724 N Pulaski Rd Independence 3-3020
Cleveland 16, O, 3100 Wooster Rd Edison 1-7778
Dallas 28, Tex, 9119 Piper Lane Broadway 9-4035
Detroit 27, Mich, 16943 Schoolcraft Ave Vermont 6-4252
E Orange, N J, 120 Halsted St Orange 2-4113
Hopkins, Minn, 12751 Wood Ct Lane West 5-1621
Houston 24, Tex, P O Box 19503 Homestead 8-1938
Los Angeles 58, Cal, 3370 E Florence Ave Ludlow 1-5340
Marietta, Ga, 206 Roswell St Bldg Marietta 7-1580
Mt Vernon, Ill, RFD 6 Chestnut 4-1949
Seattle, Wash, 535 1 Ave, W Atwater 4-0280
Southington, Conn, RFD 2 Market 8-4010
Winter Park, Fla, P O Box 203 Midway 7-1928

Del Electronics Corp, 521 Homestead Ave, Mt Vernon, N Y Owens 9-2000

Delaware Barrel & Drum Co, Inc, P O Box 1648, Wilmington, Del OL 6-7751
Chicago, Ill, 100 W Chicago Ave Whitehall 3-2414
Cleveland, O, 20950 Center Ridge Rd Edison 1-4455
Houston, Tex, 1213 Capital Ave Capital 8-6567
Los Angeles, Cal, 4645 E Olympic Blvd Angeles 2-4545
N Y C, 225 E 79 St Regent 4-7250
Phila, Pa, 1418 Walnut St Pennypacker 5-8284

Delta Tank Mfg Co, Inc, P O Box 1469, Baton Rouge, La Dickens 3-5701
Houston 2, Tex, 338 Mellie Esperson Bldg CA 5-0302
New Orleans, La, 720 Oil & Gas Bldg MA 6706
N Y 17, 122 E 42 St Oxford 7-4066

Denver Equipment Co, 1413 17 St, Denver, Colo CH 4-4466
N Y C, 4114 Empire State Bldg Chickering 4-6510

Derrick Mfg Co, 590 Duke Rd, P O Box 2593, Buffalo 25, N Y NT 3-9010

Desomatic Products Div, Atlantic Research Corp, 1109 W Broad St, Falls Church, Va Jefferson 3-9600

Despatch Oven Co, 619 S E 8 St, Minneapolis, Minn Federal 1-1873

Detrex Chem Industries, Inc, 14333 Woodrow Wilson, P O Box 501, Detroit 32, Mich Townsend 8-8600
Chicago 45, Ill, 5875 N Lincoln Ave Longbeach 1-9658
Englewood, N J, 39 Park Pl Lowell 8-1245
Los Angeles 58, Cal, 3027 Fruitland Ave Ludlow 8-9214
West Hartford 7, Conn, 967 Farmington Ave Adams 2-1993

Detroit Hoist & Mach Co, 8402 Morrow St, Detroit 11, Mich TR 5-8344

J P Devine Mfg Co, 101 49 St, Pittsburgh, Pa Museum 2-5740
N Y 36, 500 5 Ave Wisconsin 7-7769

De Zurik Corp, 51 River Rd, Sartell, Minn Blackburn 1-0221

Diamond Chain Co, Inc, 502 Kentucky Ave, Indianapolis 7, Ind Melrose 8-6431
Atlanta 9, Ga, 92 14 St, NE Trinity 6-5184
(Chicago) Oak Park, Ill 212 S Marion St Euclid 3-1512
Cincinnati 31, O, 7351 Hamilton Ave Webster 1-3302
Cleveland 11, O, 17799 Lorain Ave Winton 1-9595
Los Angeles 21, Cal, 900 Santa Fe Ave Madison 2-1273
Minneapolis, Minn, 216 6 St, SE Lincoln 6196
Needham, Mass, Rm 14 Needham Bldg Hillcrest 4-1390
(Phila) Ardmore, Pa, 401 Suburban Sq Bldg Midway 2-7075
(San Francisco) Menlo Park, Cal, 595 Santa Cruz Ave Davenport 3-4940
Seattle 33, Wash, 17962 Aurora Ave LI 6-2303
Tulsa, Okla, 2238 Terwilleger Blvd Riverside 2-1960

Dill Mfg Co, 700 E 82 St, Cleveland, O Utah 1-3200

Division Lead Co, 7746 W 61 Pl, Summit, Ill Reliance 5-8600

Dodge Mfg Corp, S Union St, Mishawaka, Ind Blackburn 9-2421
Charlotte, N C, 337 Dalton Ave Franklin 7-6579
Chicago, Ill, 407 S Dearborn Harrison 7-2980
Dallas 7, Tex, 2412 Irving Blvd Riverside 1-4941
Milwaukie, Ore, 2515 Stubb St OL 4-7731
N Y C, 270 Madison Ave Oregon 9-6696
Pittsburgh 22, Pa, 2 Gateway Ctr Court 1-2747
San Francisco 5, Cal, 55 New Montgomery St Douglas 2-8434

Dorr-Oliver Inc, 77 Havemeyer Lane, Stamford, Conn Fireside 8-5871
Atlanta, Ga, 900 Peachtree St NE Emerson 8151
Baltimore 18, Md, 2125-27 Maryland Ave Hopkins 7-2041
Chicago 54, Ill, 813 Mdse Mart Delaware 7-0723
Cleveland 7, O, 14700 Detroit Ave Academy 1-4320
Dallas 25, Tex, 6115 Berkshire Lane Forest 8-2873
Denver, Colo, P O Box 149, Englewood Sunset 1-6635
Kansas City, Mo, 4117 Bway Valentine 1-7603
Los Angeles 17, Cal, 811 W 7 St Tucker 3-297
Minneapolis, Minn, 2703 E Lake St Parkway 1-5711
Oakland 1, Cal, 2900 Glascock St Kellog 3-3636
Pittsburgh 27, Pa, 4209 Clairton Blvd Tuxedo 4-1732
Seattle 99, Wash, 420 1 Ave W Atwater 2-0067
Virginia, Minn, 204½ Chestnut Ave Sherwood 1-4689
Winter Park, Fla, 203 Knowel Bldg Midway 4-6880

Dow Chem Co, Midland, Mich Melrose 6-1000

Downingtown Iron Works Inc, 142 Wallace Ave, Downingtown, Pa Andrews 9-2250
Chicago 45, Ill, 6634 N Western Ave, Rm 111
Los Angeles 29, Cal, 5327 Santa Monica Blvd
(NYC) Clifton, N J, 1199 Main Ave, Rm 211

Dracco Div, Fuller, Co, Harvard Ave & E 116 St, Cleveland 5, O Vulcan 3-7000

Dravo Corp, Neville Island, Pittsburgh 25 Pa Spalding 1-1200

►DRESSER ELECTRONICS, SIE DIV, 10201 Westheimer, Houston 42, Tex SU 2-2000

Dresser Industries, Inc see Clark Bros Co

Dresser Mfg Div, 41 Fisher Ave, Bradford, Pa Forest 8-3131
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8377
Houston 2, Tex, Section 16, 1121 Rothwell St Capitol 7-6749
N Y C, 22 E 42 St
S San Francisco, Cal, 101 S Airport Blvd Plaza 5-8788

Driver-Harris Co, 201 Middlesex St, Harrison 20, N J HU 3-4800
Birmingham, Mich, 250 Martin St Midwest 7-1444
Chicago 39, Ill, 5245 W Diversey Ave Tuxedo 9-5626

Cleveland 3, O, 7016 Euclid Ave Endicott 1-0021
(The) Ducon Co, Inc, 151 E 2 St, Mineola, N Y Pioneer 1-6100
Durametallic Corp, S Factory St, Kalamazoo, Mich Fireside 3-2688
Baton Rouge, La, 3862 Scenic Hwy 5-2413
Chicago 49, Ill, 1737 E 75 St Fairfax 4-4405
Corpus Christi, Tex Tulip 4-2392
Decatur, Ga, 2225 Holly Hill Dr Butler 9-0792
Ft Wayne, Ind, 636 Putnam St Anthony 8-7594
Houston 6, Tex, P O Box 6163, Fairview Sta Jackson 6-4144
Huntington 1, W Va, 115 W 9 Ave Jackson 5-0639
Kansas City 12, Mo, 1214 W 47 St Jefferson 1-6550
Lansing, Mich, 1312 Pulaski St IV 9-1169
Los Angeles 22, Cal, 4935 E Olympic Blvd Angelus 1-3165
Newark 2, N J, 24 Commerce St Mitchell 2-3444
Newark, Del, 105 Bent Lane Endicott 8-2223
Richmond, Va Elgin 3-9136
Rochester 19, N Y, 61 Normandale Dr Beverly 5-5301
St Louis 5, Mo, 34 N Brentwood Blvd Parkview 5-8759
Springfield 4, Mass, 235 Connecticut Ave Republic 9-1809
Tulsa, Okla Fillmore 5-6633
Youngstown, O, 2574 S Meridan Riverside 3-7075
(The) Duriron Co, Inc, 460 N Findlay St, Dayton, O CL 4-5344
(Baltimore) Towson 4, Md, Townson, Plaza Office Bldg Valley 5-1587
(Boston) Needham, Mass, 1116 Great Plain Ave Hillcrest 4-3899
Buffalo 23, N Y, 1965 Sheridan Dr TR 5-5915
Chicago) La Grange, Ill, 140 N La Grange Rd Bishop 2-3929
Cleveland 21, O, 4040 Mayfield Rd Evergreen 2-4333
Detroit 27, Mich, 14699 Plymouth Rd Broadway 3-1664
Greensboro, N C, 409 Wachovia Bank Bldg Broadway 2-6074
Houston 2, Tex, 608 M & M Bldg Capital 8-1581
Knoxville 27, Tenn, P O Box 1046 7-660
(Los Angeles) Huntington Pk, Cal, 6903 Rita Ave Ludlow 3-1204
N Y 17, 730 3 Ave Yukon 6-3180
Pensacola, Fla, P O Box 664 Hemlock 3-8563
Phila 2, Pa, 3 Penn Center Plaza, Room 2028 Locust 8-3371
Pittsburgh 22, Pa, 2 Gateway Ctr, Room 627 Court 1-2504
St Louis 17, Mo, 1401 Brentwood Blvd Woodland 1-6600
(San Francisco) Berkeley, Cal, 2168 Shattuck Ave Thornwall 8-8888
Spartanburg, S C, P O Box 1971 585-2505
Dust Suppression & Engrg Co, 120 S Bway (P O Box 67), Lake Orion, Mich MY 2-6491
Du Verre Inc, P O Box 37-K, Arcade, N Y Arcade 174
Dynamic Filters Inc, 1566 Oakman Blvd, Detroit 38, Mich Townsend 9-2600

E

(The) Eagle-Picher Co, Dept CW, American Bldg, Cincinnati 1, O Parkway 1-7010
Branches in all principal cities
Eastern Industries, Inc, 100 Skiff St, Hamden 14, Conn Chestnut 8-3841
Chicago, Ill, 612 N Michigan Ave Mohawk 4-8070
Paramus, N J, Garden State Plaza Hubbard 8-8210
Topsfield, Cal, 58 N Main St Tucker 7-2382
Torrance, Cal, 4203 Spencer St Frontier 1-5518
Wilmington, Del, 2625 Concord Pike Olympia 8-7271
Eastern Stainless Steel Corp, P O Box 1975, Baltimore 3, Md Atwater 8-2000
Chicago 29, Ill, 5935 S Pulaski Rd Ludlow 2-1622
Cincinnati 6, O, 1433 E McMillan St Plaza 1-2481
Cleveland 16, O, 20800 Center Ridge Rd Edison 3-0005
Houston 27, Tex, 3500 W Alabama St Mohawk 7-3961
N Y 17, 150 E 42 St Yukon 6-4737
Pasadena 1, Cal, 595 E Colorado St Murray 1-0411
St Louis 5, Mo, 10 S Brentwood Blvd, Rm 217 Parkview 6-6020
Eastern Steel Barrel Corp, 302 Lincoln Blvd, Bound Brook, N J EL 6-2312
Eastman Kodak Co, 343 State St, Rochester 4, N Y Locust 2-6000
Chamblee, Ga, 4900 Peachtree Industrial Blvd GL 7-5211
Chicago 16, Ill, 1727 Indiana Ave WA 2-7541
Dallas 35, Tex, P O Box 35483 FL 1-3221
Los Angeles 13, Cal, 420 San Pedro St TR 2941
N Y 21, 1334 York Ave TR 9-1500
Rochester 4, N Y, 1187 Ridge Rd W CO 6-2500
San Francisco 19, Cal, 241 Battery St EX 2-4780
Whittier, Cal, 808 Slauson Ave
(The) Eaton-Dikeman Co, Mt Holly Springs, Pa Hunter 6-3438
Ebasco Services, Inc, 2 Rector St, N Y 6 Digby 4-4400
Eberbach Corp, 505 S Maple Rd, Ann Arbor, Mich 665-8877
Eclipse Fuel Engrg Co, 1100 Buchanan, Rockford, Ill Woodland 8-3751
Eco Engrg Co, 12 New York Ave, Newark 1, N J Market 4-6565
Chicago 6, Ill, 205 W Wacker Dr Financial 6-0968
Houston 6, Tex, 3323 Mercer Jackson 9-2573
Los Angeles 21, Cal, 900 Santa Fe Ave Vandike 3302
Thomas A Edison Industries, Instrument Div, 56 Lakeside Ave, W Orange, N J Redwood 6-1000
Dallas, Tex, 2520 W Mockingbird Lane Fleetwood 7-1380
Sherman Oaks, Cal, 14652 Ventura Blvd State 4-8281
Vandalia, O, 117 E National Rd Twin Oaks 8-5921
Edmont Inc, 1300 Walnut St, Coshocton, O Main 2-4311
Pasadena, Cal, P O Box 5126 Murray 1-3178
Edward Valves, Inc, subs Rockwell Mfg Co, 1200 W 145 St, E Chicago, Ind Export 7-3231
Chicago: Essex 5-1234
Atlanta 1, Ga, 1495 Northside Dr, NW, P O Box 1181 Trinity 6-2691
Houston 36, Tex, 1102 Delano St Capitol 8-9641
Pittsburgh 8, Pa, 400 N Lexington Ave Churchill 1-8400
(The) Eimco Corp, 503 W 6 St S, Salt Lake City 10, Utah DA 8-8831
Birmingham, Ala, Vestavia Hills TR 9-0487
Duluth, Minn, 1823 E Superior St Randolph 8-2511
El Paso, Tex, 1225 Mills Bldg Keystone 3-1041
N Y 5, 51-52 South St Whitehall 3-6860
Palatine, Ill, 301 S Hicks Rd NE 1-3210
Pittsburgh, Pa, Box 666-A, RD 5 WA 2-3502
San Mateo, Cal, 420 Peninsular Ave DI 4-7104
Elberta Crate & Box Co, Lake Bradford Rd, Tallahassee, Fla 222-2230
Bainbridge, Ga, U S 90 Cherry 6-2266
Electra Motors, Inc, 1110 N Lemon St, Anaheim, Cal Keystone 5-6061
Atlanta 3 Ga, 2420 Cheshire Bridge Rd, NE Melrose 4-2486
Livingston, N J, 20 Rossmore Terrace Redwood 1-1618
Melrose Park, Ill, 2060 N Janice Ave Murry 1-3050
Portland 33, Ore, 826 SE 166 Pl Alpine 2-6897
Seattle 4, Wash, 1016 1 Ave S Main 3-5006
(The) Electric Autolite Co, Champlain St, Toledo 1,O Cherry 3-3131
Electric Hose & Rubber Co, Wilmington, Del Olympia 5-6261
(Chicago) Skokie, Ill, 7400 McCormick Rd
Cleveland, O, 1531 Lyndhurst Rd
(Detroit) Garden City, Mich, 5909 Middlebelt Rd
Houston, Tex, 1509 Vassar St
Los Angeles, Cal, 620 Gibbons St
N Y C, 925 Time & Life Bldg
(The) Electric Hotpack Co, Inc, 5017 Cottman St, Phila 35, Pa Devonshire 3-1700
Electric Machy Mfg Co, 800 Central Aves, Minneapolis 13, Minn FE 9-6751
Branches in all principal cities
Electro-Ceramics, Inc, 2645 S 2 W, Salt Lake City, Utah HU 6-7481
Electro Chem Engrg & Mfg Co, 750 Broad St, Emmaus, Pa Woodring 5-9061
Baton Rouge, La, P O Box 2083 Dickens 4-4054
Electro Lift, Inc, 204 Sargeant Ave, Clifton, N J Gregory 1-0204
Electro Refractories & Abrasives Corp, 344 Delaware Ave Buffalo 2, N Y TL 4-5259
Los Angeles 58, Cal, 4814 Loma Vista Ave Ludlow 8-92
Elgin Softener Corp, 134 N Grove Ave, Elgin, Ill Sherwood 2-7210
Elliott Co, Div of Carrier Corp, N 4 St, Jeannette, Pa Lafayette 3-5422
Atlanta, Ga, 2015 Peachtree Rd NW 875-9653
(Boston) Newton Hts, 49 Winchester St Decatur 2-6310
Buffalo 2, N Y, 525 Jackson Bldg TL 6-3828
Charlotte 3, N C, 2505 South Blvd Jackson 3-3707
Chicago 46, Ill, 6100 N Pulaski Rd Cornelia 7-7800
Cincinnati 6, O, 2337 Victory Pkwy Capitol 1-2035
Cleveland 15, O, 2728 Euclid Ave Superior 1-9150
Dallas 6, Tex, 5738 Central Expwy Taylor 4-8119
Denver 3, Colo, 1135 Bannock St Alpine 5-9722
Detroit 3, Mich, 800 W 7 Mile Rd Forest 6-5669
Grand Rapids 2, Mich, 900 Monroe, NW Glendale 8-0445
Houston 27, Tex, 4226 Richmond Ave Mohawk 5-6781
Indianapolis 18, Ind, 3721 N Keystone Ave Liberty 7-7881
Kansas City 14, Mo, 514 W 75 St Delmar 3-2688
Los Angeles 22, Cal, 5332 Harbor St Overbrook 5-7455
Milwaukee 3, Wis, 744 N 4 St Broadway 1-9191
Minneapolis 3, Minn, 1729 Nicollet Ave Federal 3-5285
(Newark) Mountainside, N J, 1071 Bristol Rd Adams 3-5750
New Orleans 3, La, 256 Lee Circle Bldg Jackson 5-2662
N Y 17, 292 Madison Ave Oregon 9-1900
Phila 2, Pa, 226 S 16 St Bldg Kingsley 6-2215
Pittsburgh 19, Pa, 718 Frick Bldg Atlantic 1-5000
St Louis 3, Mo, 1221 Locust St Chestnut 1-6413
San Francisco 11, Cal, 2 Pine St Yucon 1-0145
Seattle 1, Wash, 418 Vance Bldg Main 3-6385
Tampa 2, Fla, 308 Tampa St 2-1167
Tulsa 3, Okla, 930 Mayo Bldg Diamond 3-4187
Washington 1, D C, Washington Gas Light Bldg Republic 7-3411
Wilmington, 3, Del, 2011 Concord Pike Olympia 5-4826
Ellisco Inc, 4034 N American St, Phila 40, Pa Baldwin 3-3405
Ellison Draft Gage Co, Inc, 548 W Monroe St, Chicago 6, Ill Randolph 6-2296
(The) Elwell-Parker Elec Co, 4205 St Clair Ave, Cleveland 3, O Utah 1-6200
(The) Emerson Mfg Co, Div John W Bolton & Sons, Inc, 9 Osgood St, Lawrence, Mass Murdock 6-6171
Dallas, Tex, Mercantile Dallas Bldg, 1807 Commerce Edison 6-2553
Engelhard Industries, Inc, 113 Astor St, Newark 2, N J BI 2-2700
Chicago, Ill, 55 E Wash St
Dallas, Tex, Mercantile Dallas Bldg, 1807 Commerce St
Los Angeles, Cal, 1111 Wilshire Blvd
N Y C, 477 Madison Ave
Orlando, Fla, Metcalf Bldg, S Orange Ave
San Francisco, Cal, 760 Market St
Engineering Assoc, 1420 Walnut St, Phila 2, Pa Kingsley 5-1295
(The) Engineer Co, 75 West St, N Y 6 Whitehall 4-6675
Engineering Castings Inc, 1961 S Linden St, Marshall Mich Story 1-2844
Engineering Controls, Inc, 611 E Marceau St, St Louis, Mo Vernon 2-4000
►ENJAY CHEM CO, DIV HUMBLE OIL & REFINING CO, 15 W 51 St, N Y Plaza 7-4404
Akron 3, O, 11 S Portage Path Jefferson 5-3326
Boston 17, Mass, 135 Clarendon St Copley 7-0355
Charlotte 4, N C, 207 Hawthorne Franklin 6-5536
Chicago 1, Ill, 130 E Randolph Dr Randolph 6-3288
Detroit 35, Mich, 16301 W 7 Mile Rd Vermont 6-5100
Houston 25, Tex, 1100 Holcombe Blvd Jackson 6-1007
Los Angeles 5, Cal, 3325 Wilshire Blvd Dunkirk 5-3297
New Orleans 5, La, 1410 Canal St Tulane 3461
Plainfield, N J, 1024 South Ave Plainfield 7-3400
Tulsa, Okla, 125 W 3 St Cherry 2-4119
Entoleter, Inc, 1190 Dixwell Ave, Hamden, Conn State 7-3575
Equipment Engrs, Inc, 737 Loma Verde Ave, Dept CW 61, Palo Alto, Cal Davenport 1-1290
Erie City Iron Works, 1422 East Ave, Erie, Pa GL 2-6421
Eriez Mfg Co, 285 Magnet Dr, Erie, Pa GL 6-2041
Atlanta, Ga, 3330 Peachtree Rd 231-3381
(Chicago) La Grange, Ill, 633 S La Grange Rd Fleetwood 2-9050
(Phila) Glenside, Pa, P O Box 178 Turner 4-0331
Ertel Engrg Corp, Kingston 15, N Y Federal 1-4552
N Y C, 40 W 42 St Plaza 7-1960
Esco Corp, 2141 NW 25 Ave, Portland, Ore CA 8-2141
(The) Esterline-Angus Co, Inc, P O Box 596, Dept CW, Indianapolis 6, Ind Chapel 4-3318
Evanite Plastic Co, Div Evans Pipe Co, Carrollton, O
Evans Pipe Co, 23 Newport Ave, Uhrichsville, O
Everlasting Valve Co, 49 Fisk St, Jersey City 5, N J Delaware 3-8000
Exide Industrial Div, The Electric Storage Battery Co, Rising Sun & Adams Ave, Phila 20, Pa Fidelity 2-8000
Branches in all principal cities

F

F & M Scientific Corp, Starr Rd & Rt 41, PO Box 234, Avondale, Pa Colony 8-2281
Houston 27, Tex, 4222 Richmond Ave
FMC Packaging Machy Div, (Stokes & Smith Plant), Food Machy & Chem Corp, 4976 Summerdale Ave, Phila 24, Pa CU 9-7000
Akron, N Y, 40 Hoag St 2785
Bklyn Hts 1, N Y, 48 Remsen St UL 8-5785
Charlotte 6, N C, 5411 Hilltop Circle ED 4-8636
Chicago 2, Ill, 5 N Wabash Ave CE 6-5774
Cochituate, Mass, 34 Lake Shore Drive Needham 3-2970
Dallas 19, Tex, 3212 Oaklawn Ave LA 8-4715
Lakeland, Fla, Fairway Ave MU 4-4931
Oakland, Cal, P O Box 7095, Fruitvale Sta KE 3-4846
Toledo 2, O, 1313 Jefferson Ave CH 2-1487
(The) Fairbanks Co, 393 Lafayette St, N Y 3 Spring 7-8800
Boston 10, Mass, 520 Atlantic Ave Liberty 2-2000
Chicago 8, Ill, 2600 S Throop St Calumet 5-3600
Pittsburgh 22, Pa, 15 Stanwix St Court 1-1887
Rome, Ga, 202 Division St 234-6701
Fairbanks, Morse & Co, 600 S Michigan Ave, Chicago 5, Ill Harrison 7-7100
Branches in all principal cities
Fairmont Aluminum Co, Fairmont, W Va 304-363-3000
Atlanta 5, Ga, 3224 Peachtree Rd NE 231-3021
Baltimore, Md, 103 W Chesapeake Ave Valley 8-8008
Boston 16, Mass, 419 Boylston St Commonwealth 6-6600
Chicago 41, Ill, 4013 N Milwaukee Ave Kildare 5-5766
Cincinnati 37, O, Rm A-5, Roselawn Cr Bldg Jefferson 1-5400
Cleveland 15, O, 2829 Euclid Ave Superior 1-8030
Dallas 29, Tex, 3335 Dartmoor Fleetwood 7-8051

Kansas City, Kans, 5346 Clark Dr Skyline 1-5518
Miami, Fla, 62 NE 2 St Franklin 9-3806
Mospeth 18, N Y, 60-10 Maurice Ave Olympia 1-4200
Pittsburgh 13, Pa, 3400 Forbes Ave Museum 3-6844
Falcon Alarm Co Inc, 243 Broad St, Summit, N J Crestview 3-6100
(The) Falk Corp, Box 492, Milwaukee 1, Wis Division 2-3131
Branches in all principal cities
Falls Industries, Inc, 31935 Aurora Rd, Solon 39, O Churchill 8-4343
Falstrom Co, 9 Falstrom Ct, Passaic, N J Prescott 7-0013
Fansteel Metallurgical Corp, Chem & Metallurgical Div, N Chicago, Ill Dexter 6-4900
Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J Windsor 4-6300
Houston 20, Tex, 5404 Clinton Dr
Farval Div, Eaton Mfg Co, 3300 E 80 St, Cleveland 4, O Vulcan 3-4560
Federal-Mogul-Bower Bearings, Inc, 11031 Shoemaker, Detroit 13, Mich WA 1-0750
Fenwal Inc, Pleasant St, Ashland, Mass Trinity 5-6111
Framingham, Mass, P O Box 126 Trinity 2-3526
Los Angeles 57, Cal, 111 S Burlington Ave Dunkirk 8-3168
Oak Park, Ill, 6525 W North Ave Estebrook 9-0544
Harry J Ferguson Co, West Ave, Jenkintown, Pa Capital 4-1200
H K Ferguson Co, 150 E 42 St, N Y 17 Oxford 7-0900
Fetter Steel Barrel Corp, 900 Hertel Ave, Buffalo, N Y TR 6-4770
Filtration Engrs Div, American Mach & Metals, Inc, E Moline, Ill 755-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y C, 233 Bway Rector 2-3822
Filtration Fabrics Div, American Mach & Metals, Inc, Dept CW-61, E Moline, Ill 755-4561
Filtros Inc, 600 W Commercial St, E Rochester, N Y Ludlow 6-8770
First Machy Corp, 209-289 10 St, Bklyn 15, N Y Sterling 8-4672
Fischer & Porter Co, 275 Warminster Rd, Warminster, Pa Osborne 5-6000
Branches in all principal cities
Fisher Governor Co, Box 307, Marshalltown, Iowa 5561
Fisher Scientific Co, 711 Forbes Ave, Pittsburgh 19, Pa Express 1-1330
Chicago 51, Ill, 1458 N Lamon Ave Columbus 1-1221
Fort Worth 1, Tex, 2920 Shotts St Edison 6-2518
Houston 6, Tex, 4102 Greenbriar Dr Jackson 3-6605
Medford 55, Mass, 461 Riverside Ave Export 5-7800
N Y 14, 633 Greenwich St Watkins 4-7200
Odessa, Tex, W 27 & Westover St Federal 2-8531
(Phila) King of Prussia, Pa, Gulph Rd (Rt 23) 265-0300
St Louis 18, Mo, 2850 S Jefferson Ave Mohawk 4-2624
(Washington) Silver Spring, Md, 7722 Woodbury Dr Juniper 7-7000
Flexaust Co, 100 Park Ave, N Y 17 Oregon 9-1300
Geneva, Ill, 427 S 4 St Center 2-0255
Flexible Tubing Corp, New Whitfield St, Guilford, Conn Glendale 3-2777
Anaheim, Cal, 305 Crescent Wy Prospect 4-9934
Atlanta 5, Ga, 3230 Peachtree Rd, N E Cedar 3-1218
Cleveland 14, O, 815 Superior Ave Cherry 1-6635
Dallas 35, Tex, 2703 Bomar Ave Fleetwood 7-6613
Dayton 2, O, 136 W 2 St Baldwin 3-7063
Hillside, Ill, 4242 Warren Ave Linden 4-8850
Wichita, Kans, 1020 E English Amherst 2-4869
Flexi-Liner Co, 48 S Raymond Ave, P O Box 767, Pasadena, Cal Sycamore 6-3177
Flexonics Div, Calumet & Hecla, Inc, 260 E Devon Ave, Bartlet, Ill TE 7-1811
Boston 10, Mass, 10 High St Hancock 6-0952
Cincinnati 37, O, 1717 Section Rd Redwood 1-8280
Cleveland 9, O, 5249 Broadview Rd Shadyside 9-4950
Dallas 6, Tex, Meadows Bldg Emerson 8-283.
Elizabeth, N J, 1143-45 E Jersey St Elizabeth 4-6500
Huntsville, Ala, 912 Bob Wallace Ave S W JE 9-4281
Kansas City 6, Mo, 1015 Walnut St Niagra 2-4175
Memphis 9, Tenn, 2021 Latham St Whitehall 8-0382
Orange, Cal, 1818 W Chapman Ave Madison 6-5678
Phila 44, Pa, 18 W Chelton Ave Victor 3-1202
San Francisco 24, Cal, 1485 Bayshore Blvd Delaware 3-0573
Flexoveyor Mfg Co, 1220 S Acoma St, Denver 23, Colo Race 2-0805
Flint Steel Corp, 2440 S Yukon, P O Box 1289, Tulsa, Okla Luther 4-3621
Flood City Brass & Elec Co, Messenger & Elder Sts, Johnstown, Pa 7-8919
Florida Chemists & Engrs, Inc, 645 Rugby Ave, Orlando, Fla Garden 5-1595
Flowline Corp, P O Box 860, New Castle, Pa
Denver, Colo, 1321 Bannock St Keystone 4-4911
Houston 36, Tex, 5510 Edith St Madison 3-6422
Los Angeles 22, Cal, 4781 E 3 St Angeles 8-3676
N Y 7, 233 Bway Worth 2-6669
Seattle, Wash, 1043-45 6 Ave Main 3-8121
Tulsa, Okla, Box 3325 Temple 5-7575
(The) Fluor Corp, Ltd, 2500 S Atlantic Blvd, Los Angeles 22, Cal AN 2-6111
(The) Fly Ash Arrestor Corp, 275 N 1 St, Birmingham, Ala Alpine 2-2182
N Y 17, 420 Lexington Ave
Food Machy & Chem Corp
See separate listings by divisions:
John Bean Div
Chiksan Co
FMC Packaging Machy Div
Peerless Pump Div
Foster Engrg Div, General Controls Co, Warwick Industrial Pk, Warwick, R I Stuart 1-6200
Branches in all principal cities
Foster Wheeler Corp, 666 5 Ave, N Y 19 Judson 2-6600
Atlanta 5, Ga, P O Box 12286, Northside Br Cedar 7-0311
Bellevue, Wash, 808 106 NE Glencourt 4-7955
Boston 10, Mass, 80 Federal St Hancock 6-0117
Chicago 3, Ill, 105 W Adams St Randolph 6-8673
Cleveland 14, O, Leader Bldg Main 1-8225
Dallas 1, Tex, Fidelity Union Tower Bldg Riverside 8-2442
Detroit 26, Mich, Michigan Bldg Woodward 1-4495
Houston 2, Tex, 711 Main St Capital 2-7364
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-7839
Phila 2, Pa, Packard Bldg Locust 3-2888
Pittsburgh 22, Pa, Oliver Bldg Atlantic 1-4887
Prairie Village, Kans, 7501 Mission Rd Niagra 8-1810
Rochester 7, N Y, 36 Winthrop St Baker 5-8089
San Francisco 5, Cal, 461 Market St Garfield 1-6042
Washington 5, D C, Tower Bldg District 7-2022
Fostoria Corp, 1200 N Main St, P O Box 151, Fostoria, O HE 5-7721
Chempump Div, Buck & County Line Rds, Huntington Valley, Pa Hobart 4-2000
Pittsburgh, Pa, 222 Bevington St Fremont 1-0900
Rochester, N Y, 111 Devonshire Ct Fairview 8-3880
Springfield, N J, 120 Morris Ave Drexel 6-7623
(The) Foxboro Co, Foxboro, Mass Kingswood 3-5311
Atlanta 5, Ga, 3224 Peachtree Rd N E Cedar 7-6437
Cleveland 7, O, 1579 W 117 St Academy 6-1060
Dallas 18, Tex, 11710 E Northwest Hwy Davis 7-4531
Denver 6, Colo, 2829 E 2 Ave Dexter 3-4297
Houston 6, Tex, 2518 S Blvd Jackson 8-5431
N Y 17, 420 Lexington Ave Lexington 2-4682
Pittsburgh 5, Pa, 2270 Noblestown Rd Walnut 2-3000
J H France Refractories Co, 7211 Clarence Rd, Snow Shoe, Pa Evergreen 7-6818
S G Frantz Co, Inc, 76 Kline Ave at Brunswick Pike, P O Box 1138, Trenton 6, N J Tuxedo 2-7100
Fruehauf Trailer Co, 10948 Harper Ave, Detroit 32, Mich Walnut 1-2410
Branches in all principal cities
►**FULLER CO, SUBS GENERAL AMERICAN TRANSPORTATION CORP**, 144 Bridge St, Catasauqua, Pa Congress 4-2841
Birmingham 3, Ala, 2000 1 Ave Fairfax 3-3068
Chicago 3, Ill, 135 S LaSalle St Dearborn 2-5024
Houston 2, Tex, 1121 Walker St Capital 2-9821
(Kansas City) Prairie Village, Mo, 7501 Mission Rd Mitchell 9-7200
(Los Angeles) Compton, Cal, 2966 E Victoria St Nevada 6-9821
N Y 17, 380 Madison Ave Oxford 7-2525
San Francisco 4, Cal, 617 Chancery Bldg, 564 Market St Yukon 6-5486
Seattle 9, Wash, Northwestern Life Bldg, 120 6 Ave N Mutual 2-3131
See also separate listings by divisions:
Lehigh Fan & Blower Div
Sutorbilt Corp
Traylor Engrg & Mfg Co
Fulton-Syphon Div, Robertshaw Fulton Controls Co, P O Box 400, Knoxville 1, Tenn 4-1641
(Albany) Kinderhook, N Y Murdock 4-2356
Baltimore 18, Md, 12 W 25 St Belmont 5-9306
(Boston) Cambridge 42, Mass, Kendall Sq Bldg, 238 Main St Trowbridge 6-5577
Buffalo 17, N Y, 797 Military Rd Delaware 1515
Chicago 11, Ill, 568 Wrigley Bldg Whitehall 4-6552
Cincinnati 36, O, 4866 Cooper Rd Tweed 1-6072
Cleveland 18, O, Berkshire Lee Bldg, 1991 Lee Rd Yellowstone 2-6242
Dallas 6, Tex, 5635 Yale Blvd, Suite 205 Emerson 8-5653
Detroit 21, Mich, 8406 W McNichols Rd University 3-2400
Haddonfield, N J, 21 Euclid Ave Hazel 8-3334
Phila: Market 7-5045
Houston 4, Tex, 4101 San Jacinto JA 3-1659
Knoxville 1, Tenn, P O Box 4000 524-1641
(Los Angeles) Lynwood, Cal, 3101 E Imperial Hwy Nevada 6-9791
Milwaukee 16, Wis, 3718 N 92 St Hopkins 1-2640
St Louis 17, Mo, 1110 S Brentwood Blvd Parkview 5-0066
(Washington) Silver Spring, Md, 8616 Georgia Ave Juniper 8-3422

G

(The) Galigher Co, 545 W 8 S St, P O Box 209, Salt Lake City 10, Utah Elgin 9-8731
Jersey City 6, N J, 921 Bergen Ave Oldfield 3-0859
Galland-Henning Mfg Co, Nopak Div, 2753 S 31 St, Milwaukee 46, Wis Mitchell 5-6000
Gardner-Denver Co, Gardner Expwy, Quincy, Ill Baldwin 2-5400
Branches in all principal cities
Garlock Inc, 402 Main St, Palmyra, N Y LY 7-4811
Birmingham 1, Ala, 519 S 19 St 4-7666
Boston 10, Mass, 80 Broad St Hancock 6-4590
Burlingame, Cal, 1835 Rollins Rd Oxford 7-7681
Chicago 6, Ill, 600 W Jackson Blvd Randolph 6-6716
Cincinnati 16, O, 8329 Vine St Valley 5913
Cleveland 13, O, 1276 W 3 St Main 1-0310
Denver 2, Colo, 1863 Wazee St Acoma 2-0649
Detroit 11, Mich Trinity 3-6160
Houston 3, Tex, 2409 Sabine St Fairfax 3-6368
Los Angeles 21, Cal, 2303 E 8 St Trinity 8448
New Orleans 25, La, 3525 Lowerline St Audubon 0831
N Y 6, 114 Liberty St Barclay 7-1124
Phila 2, Pa, 20 S 15 St Locust 7-010
Pittsburgh 22, Pa, 933 Penn Ave Court 1-2222
Portland 9, Ore, 1036 N W 18 Ave Capitol 8-7649
Salt Lake City 1, Utah, 1159 Richardson St Empire 3-5535
St Louis 8, Mo, 3635 Forest Pk Blvd Olive 2-3157
Spokane 4, Wash, W 610 2 Ave Madison 6632
Tulsa 20, Okla, 816 E 6 St Olive 2-3157
Gas Atmospheres, Inc, 3857 W 150 St, Cleveland 11, O Orchard 1-1393
Gas Equipment Engrg Assoc, 10 Fiske Pl, Mt Vernon, N Y 6-6464
(The) Gas Machy Co, 16130 Waterloo Rd, Cleveland 10, O Kenmore 1-1130
Gates Engrg Co, 100 S West St, Wilmington, Del OL 6-9951
(The) Gates Rubber Co, 999 S Bway, Denver 17, Colo Sherman 4-1911
Branches in all principal cities
Gaylord Container Div, Crown Zellerbach Corp, 111 N 4 St, St Louis 2, Mo Central 1-4600
Branches in all principal cities
Geauga Industries Co, Old State Rd, Middlefield, O 632-2911
Crestline, O OV 3-3222
General American Transportation Corp, 135 S Lasalle St, Chicago 3, Ill FI 6-4100
Birmingham, Ala, P O Box 1870 Victor 1-5562
Buffalo, N Y, 2008 Rand Bldg Mohawk 1684
Cleveland, O, 1307 Terminal Tower Bldg Prospect 1-1391
Dallas, Tex, First Natl Bank Bldg Riverside 7-0402
Houston, Tex, 919 Bank of the SW Bldg Capital 4-2691
Los Angeles, Cal, 900 Wilshire Blvd Madison 8-1357
Milwaukee 9, Wis, 4206 N Green Bay Rd Concord 4-4220
New Orleans, La, 210 Baronne St Jackson 5-8503
N Y C, 380 Madison Ave Oxford 7-2525
Pittsburgh, Pa, 2612 Koppers Bldg Grant 1-3101
St Louis, Mo, 915 Olive St Chestnut 1-8525
(Salt Lake City) Orem, Utah, P O Box 97 Franklin 3-8520
San Francisco, Cal, 235 Montgomery St Douglas 2-8222
Seattle, Wash, 1328 Washington Bldg Main 2-3516
Tulsa, Okla, 1005 First Natl Bank Bldg Luther 2-6137
General Blower Co, subs Ilg Elec Ventilating Co, 8618-C Ferris Ave, Morton Grove, Ill CO 7-4400
General Box Co, 1879 Miner St, Des Plaines, Ill Vanderbilt 4-4181
Bloomington, Ill, 1202 N Linden St 967-6001
Denville, N J, 30 Estling Lake Rd Oakwood 7-2266
Detroit, Mich, 2197 Beaufait Ave Lorain 7-1700
E St Louis, Ill, 1101 Converse Ave Bridge 1-6050
Houston 26, Tex, 2324 Maury St Capital 4-9313
Kans City 1, Mo, 1600 W 8 St Victor 2-5560
Meridian, Miss, P O Box 1391 Meridian 8126
Nashville 6, Tenn, 1001 W Kirkland Ave Canal 8-3415
Sheboygan, Wis, 1560 N 17 St Glencourt 7-7791
Winchendon, Mass, Franklin St Winchendon 304
General Container Co, 47 Euclid Ave, Newark 5, N J Mitchell 2-5632
N Y C: Barclay 7-7544
General Controls Co, 801 Allen Ave, Glendale 1, Cal Victoria 9-2181
Branches in all principal cities
See also separate listing by division:
Hammel-Dahl
General Elec Co, 570 Lexington Ave, N Y C Plaza 1-1311
Apparatus Sales Div, 1 River Rd, Schenectady 5, N Y Franklin 4-2211

Branches in all principal cities
Metallurgical Products Dept, 11177 E 8 Mile Rd, Detroit, Mich Jefferson 6-9100
X-Ray Dept, 4855 Electric Ave, Milwaukee 1, Wis Evergreen 3-3211

General Mach Co of N J, 57 Evergreen Ave, Newark 12, N J Bigelow 2-7405
N Y C: WI 7-1612

General Metals, Inc, 858 Goldsboro St, Greensboro, N C BR 4-5451

General Radio Co, 22 Baker Ave, W Concord, Mass Emerson 9-4400
Abington, Pa, 1150 York Rd Hancock 4-7419
(Chicago) Oak Park, Ill, 6605 W North Ave Village 8-9400
Los Altos, Cal, 1186 Los Altos Ave Whitecliff 8-8233
Los Angeles 38, Cal, 1000 N Seward St Hollywood 9-6201
Ridgefield, N J, Broad Ave & Linden Whitney 3-3140
Silver Spring, Md, 8055 13 St Juniper 5-1088

General Scientific Equipment Co, Limekiln Pike & Williams Ave, Phila 50, Pa Hancock 4-1550

Geotechnical Corp, 3401 Shiloh Rd, Garland, Tex BR 8-8102

Gering Plastics, Div of Studebaker-Packard Corp, N 7 St & Monroe Ave, Kenilworth, N J Bridge 6-2900
Chicago, Ill, 5143 W Diversey Ave MA 2-0836
Holden, Mass, 103 Holden St Pleasant 4-2996
Los Altos, Cal, 426 Los Minos Way WH 8-5487
Los Angeles 21, Cal, 1855 Industrial St Madison 3-3590
Mansfield, O, 1115 Larchwood Rd Skyline 6-2756
Minneapolis 40, Minn, P O Box 963 Union 9-7919
Portland 30, Ore, 16248 NE Glisan Ave Alpine 3-2782
Sarasota, Fla, 2141 Sunnyside Pl RI 6-4448

Geuder, Paeschke & Frey Co, 324 N 15 St, Milwaukee 1, Wis Division 4-3000

Gibbs & Hill, Inc, Penn Sta, N Y 1 Wisconsin 7-5490

Gifford-Wood Co, 1 Hudson Ave, Hudson, N Y 8-1511
Cleveland 20, O, 3537 Lee Rd Skyline 1-7050
LaGrange, Ill, 122 W Burlington Ave Fleetwood 4-1551
N Y 17, 420 Lexington Ave Lexington 2-5248

Gilman Paper Co, 111 W 50 St Circle 6-3300
Chicago 6, Ill, 400 W Madison Ave Financial 6-4477

Glo-Quartz Elec Heater Co, Inc, 4066 Erie St, Willoughby, O Whitehall 2-5521
Los Angeles 22, Cal, 6110 Ferguson Dr Overbrook 5-7640

D F Goldsmith Chem & Metal Corp, 1020 S Wabash Ave, Chicago 5, Ill Wabash 2-5509

►GOODALL RUBBER CO, Whitehead Rd, Trenton 4, N J Juniper 7-4000
(Atlanta) Decatur, Ga, 904 School Dr ME 6-1873
Boston 9, Mass, 220 Milk St Hancock 6-5667
Charlotte 3, N C, 112 Fairview, P O Box 11401, Park Rd Sta Edison 2-8575
Chicago 6, Ill, Rm 550, Civic Opera Bldg, 20 N Wacker Dr State 2-8123
Cleveland 3, O, 4222 Euclid Ave Express 1-0070
Denver 4, Colo, 1033 Sante Fe Dr Keystone 4-8285
Detroit 7, Mich, 6470 E Jefferson Ave Lorain 7-6600
Houston 24, Tex, 3550 W 12 St, P O Box 1408 Underwood 4-2691
Indianapolis 2, Ind, 911 N West St Melrose 2-2408
Kansas City 8, Mo, 1928 Grand Ave Baltimore 1-5444
Los Angeles 23, Cal, 2939 E 11 St Angelus 3-6723
Melrose Pk, Ill, 2050 N Hawthorne Ave Fillmore 3-4380
Miami, Fla, 5246 N W 7 Ave Plaza 7-5391
Milwaukee 45, Wis, 3100 W Cherry St Division 4-4292
N Y 20, Rockefeller Center, Rm 1705, 1270 Ave of Americas Judson 2-0986
Phila 4, Pa, 5 S 36 St Evergreen 6-9500
Pittsburgh 13, Pa, 3501-5 Bigelow Blvd Museum 1-1800
Portland 9, Ore, 1111 N W 16 Ave Capitol 7-1259
Salt Lake City 1, Utah, 618 Kearns Bldg, 136 S Main St Elgin 5-7377
S San Francisco 7, Cal, 221 E Grand Ave Plaza 6-5466
Seattle 4, Wash, 1701 4 Ave S Main 2-8527
St Paul, Minn, 2447 University Ave Midway 6-4569
Stuart, Fla, 417 S Rte A1A Atlantic 7-1660

B F Goodrich Industrial Products Co, Marietta, O FR 3-6611
Akron 18, O, 500 S Main St Blackstone 3-1171
Allen Park, Mich, 16500 Oakwood Blvd Crestwood 8-7000
Atlanta 6, Ga, 1721 DeKalb Ave, NE Drake 8-4561
Chicago 54, Ill, Merchandise Mart, Space 13-115 SU 7-6383
Cleveland 14, O, 3150 Chester Ave HE 1-6165
Columbus 14, O, 3700 Indianola Ave Amherst 8-8631
Dallas 2, Tex, 1400 Turtle Creek Blvd Riverside 1-5601
Denver 4, Colo, 2500 W 8 Ave Tabor 5-1267
Kansas City, Kans, 830 Kindelberger Rd Mayfair 1-4400
Los Angeles 22, Cal, 3525 S Garfield Ave Raymond 3-6692
Minneapolis 16, Minn, 800 Turners Crossrd S Liberty 5-2507
Needham Hts 94, Mass, 100 2 Ave Hillcrest 4-6100
N Y 17, 230 Park Ave Oregon 9-0330
Phila 34, Pa, 955 E Erie Ave Jefferson 3-9405
San Francisco 1, Cal, 1950 Army St Atwater 2-9620
Seattle 4, Wash, 1 Hanford St Mutual 2-4307
(The) Gorman-Rupp Co, 907 Bowman St, Mansfield, O LA 4-4211

Goshen Rubber Co, Inc, 639 E Iowa St, Goshen, Ind Keystone 3-1111

Goslin-Birmingham Mfg Co, P O Box 321, Birmingham 1, Ala FA 4-7511

Goulds Pumps, Inc, P O Box 330, Seneca Falls, N Y Logan 8-5811
Atlanta, Ga, 1372 Peachtree Pl, NE, Rm 203 Trinity 6-7378
Brookline 46, Mass, 1330 Beacon St, Rm 314 Beacon 2-7640
Buffalo 21, N Y, 5554 Main St Oxford 0110
Haverford, Pa, 354 Lancaster Ave Midway 9-3600
Houston 2, Tex, P O Box 25146 Jackson 9-2685
Mobile, Ala, 1873 Grant St Greenwood 9-5322
N Y 17, 347 Madison Ave, Rm 1306 Murray Hill 9-7466
Pittsburgh 22, Pa, Bessemer Bldg, Rm 512, 104 6 St Atlantic 1-0595
Shreveport, La, 1007 Petroleum Tower 2-2656
Tulsa, Okla, 543 E Apache St, Rm 201, P O Box 6157 Fillmore 5-7554
Westchester, Ill, 10060 W Roosevelt Rd MU 1-3323

Graham Mfg Co, Heliflow Corp, 170 Great Neck Rd, Great Neck, L I, N Y Hunter 2-5200
San Francisco, Cal, 1204 Russ Bldg

Graham Transmissions, Inc, W 161 N 9116 Hayes Ave, Menomonee Falls, Wis Menomonee Falls 3600

Granberg Corp, 1308 67 St, Oakland Cal Olympia 2-8847
Buffalo 14, N Y, 2937 Main St TF 3-9800
Chicago 2, Ill, 30 Washington St CE 6-3910
N Y 17, 489 5 Ave MU 2-2492

(The) Granet Corp, 25 Loring Dr, Framingham, Mass Trinity 3-3521

Graver Tank & Mfg Co, Div Union Tank Car Co, 4809-11 Tod Ave, E Chicago, Ind EX 7-0204
Chicago: SA 1-7050
Arcadia, Cal, 1135 W Huntingdon Dr Hillcrest 6-4734
Los Angeles: Murray 1-4450
Chicago 4, Ill, 322 S Michigan Ave Wabash 2-8893
Cleveland 15, O, 3030 Euclid Ave Express 1-5858
Detroit 8, Mich, 2591 W Grand Blvd Trinity 5-5300
Houston 1, Tex, 5343 McCormick Ave Walnut 6-1761
Jenkintown, Pa, The Benson Turner 7-1111
New Orleans 12, La, 1202 Richards Bldg Magnolia 5643
N Y 17, 424 Madison Ave Murray Hill 8-8181
Salt Lake City 10, Utah, P O Box 479 Davis 8-8341
San Francisco 4, Cal, 155 Montgomery St Garfield 1-8948
Tulsa 9, Okla, P O Box 4741 Riverside 7-1326
(Wilmington) Edge Moor, Del, P O Box 308 Porter 4-7700

Graver Water Conditioning Co, Div of Union Tank Car Co, 216 W 14 St, Dept 13A, N Y 11 Watkins 4-2321
Chicago, 1, Ill, 228 N LaSalle St, Rm 1615 Central 6-4700
Cincinnati 38, O, 3427 Corrine Ave Montana 1-4335
Cleveland 14, O, 320 Citizens Bldg Tower 1-0800

Gray Co, Inc, Graco Sq, 1067 Sibley St NE, Minneapolis 13, Minn Federal 6-9331
Atlanta 6, Ga, 1223 Spring St, N W Federal 6-6374
(Chicago) Broadview, Ill, 3030 S 25 Ave Murray 1-1780
Detroit 8, Mich, 2699 W Grand Blvd Trinity 3-6900
Houston 3, Tex, 1913 Leeland Ave Capitol 7-1771
L I C 6, N Y, 34-55 11 St Ravenswood 6-7620
Phila 32, Pa, 3489 Ridge Ave Baldwin 6-3031
San Francisco 3, Cal, 141 11 St Market 1-5941

Great Lakes Carbon Corp, Dicalite Dept, 612 S Flower St, Los Angeles 17, Cal Madison 9-1611
Atlanta 3, Ga, 32 Peachtree St, NW Jackson 5-1277
(Boston) Needham 92, Mass, 16-A Eaton Sq Hillcrest 4-1950
Buffalo, N Y, 975 Fuhrman Blvd Triangle 5200
Chicago 1, Ill, 333 N Michigan Ave Franklin 2-5445
Cincinnati 37, O, 1717 Section Rd Redwood 1-9752
Cleveland 16, O, 19115 Detroit Rd Edison 1-4500
Houston, Tex, 1404 Esperson Bldg Capital 5-6501
New Orleans 12, La, 210 Baronne St Magnolia 3772
N Y 17, 18 E 48 St Eldorado 5-6200
(Phila) Upper Darby, Pa, 228 Long Lane Flanders 2-1444
St Louis 5, Mo, 7811 Carondolet Ave Parkview 5-8864
San Francisco 5, Cal, 55 New Montgomery St Sutter 1-3204
Walteria, Cal, P O Box 1307 Oregon 8-5818

Great Western Mfg Co, 208 Choctaw St, Leavenworth, Kans Mutual 2-2291

A P Green Fire Brick Co, Mexico, Mo
Chicago 32, Ill, 4620 S Tripp Ave Cliffside 4-6190
Cleveland 31, O, 6950 Granger Rd Lafayette 4-4841
Dallas 22, Tex, P O Box 6223 Whitehall 8-7578
Houston 1, Tex, 3600 Clinton Dr Capitol 5-0679
N Y 7, 50 Church St Barclay 7-9724
San Francisco 7, Cal, 580 Indiana St Atwater 2-9166
Seattle 4, Wash, 1212 6 Ave S Mutual 3636
St Louis 1, Mo, 2064 Railway Exchange Bldg GA 1-5108

Greene, Tweed, & Co, North Wales, Pa Oxbow 9-4821

Greenville Tubes, Inc, P O Box 30, Greenville, Pa JU 8-9550

►GREIF BROS COOPERAGE CORP, 175 E Hoffman Ave, P O Box 398, Lindenhurst, L I, N Y Turner 8-7600

Grinnell Co, Inc, 260 W Exchange St, Providence 1, R I Temple 1-7000
Atlanta 2, Ga, 645 Northside Dr N W Jackson 4-6201
Buffalo, N Y, 1374 Clinton St Fairview 6111
Charlotte 8, N C, 1431 W Morehead St Franklin 6-4431
Chicago 9, Ill, 4425 S Western Ave Virginia 7-1500
Chillicothe, O, 350 S Douglas Ave Prospect 4-3351
Cincinnati 29, O, 3253 Fredonia Ave University 1-7772
Cleveland 3, O, 1294-96 E 55 St Henderson 1-4311
Cranston 7, R I, 1341 Elmwood Ave Stuart 1-9200
Dallas 2, Tex, 161 Glass St Riverside 8-3351
Great Falls, Mont, 12 3 St NW
Houston 20, Tex, 6999 Old Clinton Rd
Kansas City 16, Mo, 2316 Burlington Ave Baltimore 1-3010
Milwaukee 1, Wis, 1819 W St Paul Ave West 3-7040
Minneapolis 15, Minn, 623 Washington Ave S Federal 2-0321
New Orleans 25, La, 7136 Washington Ave Galvez 3125
N Y 22, 400 Park Ave Plaza 1-6700
Phila 34, Pa, Erie Ave & D St Garfield 5-5850
Pittsburgh 33, Pa, 1020 Ridge Ave
St Louis 10, Mo, 1615 S Kings Hwy Prospect 1-4925
San Jose 12, Cal, 1853 S 7 St

(The) Griscom-Russell Co, 229 Wetmore St, SE, Massillon, O TE 2-8751
(Chicago) La Grange, Ill, P O Box 307
Houston, Tex, Prudential Bldg, 110 E Holcombe Blvd
Los Angeles 41, Cal, 2173 Colorado Blvd
N Y 17, 285 Madison Ave
Phila 34, Pa, 1317 Land Title Bldg

Gruendler Crusher & Pulverizer Co, 2915 N Market St, St Louis 10, Mo Jefferson 1-1220

Gulton Industries, Inc, 212 Durham Ave, Metuchen, N J Liberty 8-2800

B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill Bishop 2-3050

T J Gundlach Mach Co, 3 Freedom Dr, Belleville Ill Adams 3-7208

Gyra Electronics Corp, P O Box 194, La Grange, Ill Fleetwood 4-4644

H

Hallikainen Instruments, 1341 7 St, Berkeley 10, Cal Landscape 4-1757

A E Halperin Co, Inc, 75 Northampton St, Boston 18, Mass HI 2-6100

Hamilton Caster & Mfg Co, 1536 Dixie Hwy, Hamilton, O Twinbrook 3-6197

Hammel-Dahl Div, General Controls Co, Warwick Industrial Pk, Warwick, R I Stuart 1-6200
Branches in all principal cities

Hampton Products Co, Hestor St, Portland, Pa Twin Oaks 7-6103

Handy & Harman, 850 3 Ave N Y 22 Plaza 2-3400
Chicago 2, Ill, 1900 W Kinzir St Seely 3-1234
Cleveland 26, O, 4402 W 215 St Edison 3-2166
Detroit 35, Mich, 19363 James Couzens Hwy Vermont 8-8480
(Los Angeles) El Monte, Cal, 330 N Gibson Rd Gilbert 3-8181
Providence 3, R I, 425 Richmond St Jackson 1-4100

Hanna Engrg Works, 1767 Elston Ave, Chicago 22, Ill Brunswick 8-2710

Hannifin Co, Div of Parker-Hannifin Corp, 489-D S Wolf Rd, Des Plaines, Ill Vanderbilt 7-1171
Cincinnati, 27, O, Mariemont Ctr Bldg Bramble 1-3603
Cleveland 12, O, 17325 Euclid Ave Kenmore 1-3000
Culver City, Cal, 10567 Jefferson Blvd Upton 0-9344
Detroit 21, Mich, 10737 W McNichols Diamond 1-1885
Emerson, N J, 19 Railroad Ave Colfax 1-5757
Indianapolis 20, Ind, 6216 Carrollton Ave Clifford 3-6929

Logansport, Ind, P O Box 192 Logansport 5417
Lutherville, Md, 26 Dunwich Rd Valley 5-2055
Phila 40, Pa, 3701 N Broad St Baldwin 8-9312
Pittsburgh, Pa, 300 Mt Lebanon Blvd Lehigh 1-7723

Springfield 9, Mass, 820 State St Republic 6-0814
Wellesley Hills 81, Mass, 980 Worcester St Cedar 7-0124
Hapman Corp, Conveyor Div, 636 Gibson St, Kalamazoo, Mich Fireside 3-1675
Hardinge Co, Inc, 240 Arch St, York, Pa 33821
Chicago 6, Ill, 205 W Wacker Dr FR 2-4182
Hibbing, Minn, P O Box 368 Amherst 2-2825
N Y 17, 122 E 42 St Oxford 7-3590
Salt Lake City 15, Utah, 333 W 14 South St Hunter 4-5151
San Francisco 11, Cal, 24 California St Yukon 2-6920
Hartzell Propeller Fan Co, L St, Piqua, O PR 3-7411
Harvey Aluminum, 19200 S Western Ave, Torrance, Cal Spruce 5-2181
Atlanta 9, Ga, 1430 W Peachtree St N W Trinity 5-8376
(Chicago) Oak Park, Ill, 6429 W North Ave Euclid 3-6320
Dallas 12, Tex, 5044 N Westmoreland Rd Fleetwood 7-4327
Detroit 21, Mich, 16244 James Couzens Hwy University 4-1030
Hartford, Conn, 530 Silas Deane Hwy Jackson 9-5120
(Phila) King of Prussia, Pa, 132 Allendale Rd Chestnut Hill 7-7423
Norristown: Broadway 9-7374
Pittsburgh, Pa, 90 Clairton Blvd Tuxedo 4-3440
Portland 12, Ore, 2310 Lloyd Ctr Atlantic 8-2251
St Louis, Mo, 2 S Brentwood Blvd Volunteer 3-3445
San Diego, Cal, 426 Olive St Cypress 6-6101
(San Francisco) Berkeley, Cal, 2015 Center St Thornwall 5-3133
Seattle, Wash, 550 Mercer St Atwater 3-4990
Washington, D C, 1001 Connecticut Ave, N W Republic 7-4366
Hastings-Raydist, Inc, Newcomb Ave, Hampton, Va Park 3-6531
(The) Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 32, O Kirby 1-2375
Haveg Industries, Inc, Plastics Pk, Wilmington 8, Del Wyman 8-2271
Atlanta, Ga, 3230 Peachtree Rd N E CE 7-3821
Bellaire, Tex, 5119 Bellaire Blvd Mohawk 7-6519
Denver, Colo, 1795 Sheridan St Belmont 7-0433
Norwalk, Cal, 12827 E Imperial Hwy Oxbow 3-1710
Portland 14, Ore, Weatherly Bldg Belmont 4-1561
Seattle 4, Wash, 1731 1 Ave S Main 9006
Solon, O, 33840 Aurora Rd Churchill 8-6194
Westfield, N J, 101 Central Ave Adams 2-7383
Wheaton, Ill, 130 W Liberty Dr 8-9530
Haws Drinking Faucet Co, 1453 4 St, Berkeley 10, Cal Landscape 5-5801
Hayes & Stolz Industrial Mfg Co, Inc, 3521 Hemphill St, P O Box 11217, Ft Worth, Tex WA 3-4668
Haynes Stellite Co, Div Union Carbide Corp, 1020 W Park Ave, Kokomo, Ind Gladstone 2-5421
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cleveland 14, O, 1300 Lakeside Ave Main 1-4204
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
N Y 17, 270 Park Ave LL 1-2345
Heatron, Inc, 333 Eberts Lane, York, Pa 6230
Hedwin Corp, Dept G16, 609 S Ave, N Y 17 PL 2-1120
Baltimore 11, Md, 1600 Roland Hts Ave Hopkins 7-8210
Heil Process Equipment Corp, 12901 Elmwood Ave, Cleveland 11, O Clearwater 2-4141
Chicago 6, Ill, 400 W Madison Ave Andover 3-2134
Detroit 2, Mich, 2970 W Grand Blvd Trinity 3-3992
N Y 18, 152 W 42 St Pennsylvania 6-1827
Helicoid Gage Div, American Chain & Cable Co, Inc, 929 Connecticut Ave, CW, Bridgeport 2, Conn Bridgeport 5-0161
Hendrick Mfg Co, 32 Dundaff St, Carbondale, Pa 1600
Hercules Filter Corp, 214 Ethyl Ave, Hawthorne, N J HA 7-6900
(Los Angeles) Briggs Sta 48, Cal, P O Box 48562 Olive 1-2674
Oak Park, Ill Euclid 3-5109
Toledo, O, 1513 Jefferson Ave, Suite 219 Cherry 1-6471
Hetherington & Berner, Inc, 701 Kentucky Ave, Indianapolis 7, Ind Melrose 2-9354
Chicago, Ill, 205 W Wacker Dr
Hevi-Duty Elec Co, Div Basic Products Corp, 304 Hart St, Watertown, Wis 3980
Chicago, Ill, 5816 W North Ave National 2-6565
Culver City, Cal, 10826 Venice Blvd Vermont 7-1205
Detroit 21, Mich, 8830 W McNichols Rd Diamond 1-3266
Little Ferry, N J, 84 Industrial Ave Hackensack: DI 3-2950
Rocky River, O, 20800 Center Ridge Rd (Rm 213) Edison 1-8734
Hewitt-Robins Inc, 666 Glenbrook Rd, Stamford, Conn Davis 4-1151
Branches in all principal cities
Heyl & Patterson, Inc, 56 Ave Ft Pitt Blvd, Pittsburgh 22, Pa Court 1-0750
Heyward-Robinson Co, 114 Liberty St, N Y 6 WO 4-7566
(The) Hilliard Corp, 28 W 4 St, Elmira, N Y Regent 3-7121
Hills-McCanna Co, 400 Maple Ave, Carpentersville, Ill Hazel 6-4851
Hinde & Dauch Div, W Va Pulp & Paper Co, 4078 Decatur St, Sandusky, O Main 5-6610
Baltimore 12, Md, 3400 Biddle St Eastern 7-7376
Buffalo 6, N Y, 95 Dorothy St Triangle 3131
Chicago 32, Ill, 3301 W 47 Pl Lafayette 3-4200
Cleveland 2, O, 2110 W 110 St Woodbine 1-4060
Detroit 28, Mich, 13870 W Chicago Blvd Webster 3-3850
Eaton, O, Rte 2 Eaton 875
Gastonia, N C, 601 N Modena St University 4-3261
Gloucester, N J, 5 St Walnut 5-7381
Hoboken, N J, 550 9 St Oldfield 9-4400
Kansas City, Kans, 530 Sunshine Rd Clifford 1-6430
Meriden, Conn, P O Box 335 Beverly 5-2551
Richmond, Va, P O Box 1460, 2300 Jefferson Davis Hwy Belmont 2-5691
St Louis 15, Mo, P O Box 5065, 5110 Penrose St Evergreen 3-0220
Torrance, Cal, P O Box 2156, 555 Maple Spruce 5-3114
Watertown 72, Mass, 70 Grove St Watertown 4-2640
Hodgson Engrg & Mfg Co, 1501 E 7 St, Tulsa, Okla LU 3-7227
Hoffman Engrg Corp, 9 & Tyler, Anoka, Minn Harrison 1-2242
Hoke Inc, 1 Teeters Rd, Cresskill, N J Lowell 8-9100
Hollow Center Packing Co, 115 S W 12 St, P O Box 1380, Ft Lauderdale, Fla Jackson 3-7177
Cleveland 3, O, 6523 Euclid Ave Henderson 1-8470
Holmes & Narver, Inc, 828 S Figuera St, Los Angeles 17, Cal Madison 7-4377
Hose Accessories Co, 2720 N 17 St, Phila 32, Pa Baldwin 5-4923
Houston, Tex, 5919 Armour Dr
Hoskins Mfg Co, 4445 Lawton Ave, Detroit 8, Mich Tyler 5-2860
Chicago 45, Ill, 2600 W Peterson Ave Rogers Park 1-7111
Cleveland 18, 9, 2000 Lee Rd Bldg Erieview 1-9529
Stamford, Conn, 159 Main St Fireside 8-4442
(The) Frank G Hough Co, 802 7 St, Libertyville, Ill Empire 2-4000
E F Houghton & Co, 303 W Lehigh Ave, Phila 33, Pa Regent 9-7100
Baltimore 23, Md, 6 S Schroeder St Saratoga 7-2388
Carrollton, Ga, 421 Garrett St Terrace 2-3507
Chicago 6, Ill, 222 W Adams St Dearborn 2-3818
Cleveland 3, O, 4500 Euclid Ave Endicott 1-3567
Detroit 2, Mich, 803 Stephenson Bldg Trinity 3-4900
Houston 2, Tex, 701 N San Jacinto St Fairfax 3-2670
Kensington, Conn, 10 Main St Valley 8-4179
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-5242
Milwaukee 2, Wis, 10031 W Lisbon Ave Hopkins 2-0770
N Y 36, 55 W 42 St Longacre 4-4287
Pittsburgh 22, Pa, 401 Bessemer Bldg Atlantic 1-8759
Portland 14, Ore, 717 SE Main St Belmont 6-9080
St Louis 26, Mo, (Rm 313), 9705 Hwy 66 Yorktown 6-2525
Seattle 4, Wash, 90 Dearborn St Main 2-7961
S San Francisco, Cal, 54 Tranforan Ave Juno 9-2275
Houston Instrument Corp, P O Box 22234, 4950 Terminal Ave, Bellaire, Houston 27, Tex Mohawk 7-7405
►**HOWE SCALE CO**, Rutland, Vt Prospect 5-5541
Atlanta 10, Ga, 685 Stewart Ave S W, Bldg C, Unit 6 Plaza 5-1616
Baltimore 18, Md, 1300 Curtain Ave Tuxedo 9-5857
Boston 36, Mass, 1219 Hyde Park Ave Hyde Park 3-0314
Buffalo 4, N Y, 294 Genesee St Washington 3742
Chicago 14, Ill, 1741-43 W Fullerton Ave Graceland 2-1737
Cincinnati 13, O, 3438 Duck Creek Rd Elmhurst 1-2400
Cleveland 13, O, 2978 W 25 St Main 1-4642
Denver 11, Colo, 3841 Mariposa St Genesee 3-6469
Detroit 27, Mich, 12945 Puritan Ave University 4-9535
Hartford 14, Conn, 105 Airport Rd Chapel 6-8576
Houston 3, Tex, 2202 Dallas Ave, P O Box 18283 Capitol 3-4619
Kansas City 1, Mo, 1312-14 St Louis Ave Baltimore 1-9437
L I C 1, N Y, 36-12 47 Ave Exeter 2-7050
Los Angeles 22, Cal, 2616 Malt Ave Raymond 3-4876
Minneapolis 1, Minn, 748 N 4 St Federal 9-8857
(Newark) E Orange, N J, 44 N Park St Orange 3-3413
New Orleans 12, La, 726 Clara St JA 5-5846
Phila 40, Pa, 1910 W Atlantic St Baldwin 6-1410
Pittsburgh 12, Pa, 610 Foreland St Cedar 1-5557
St Louis 7, Mo, 3001-13 N Bway Central 1-3480
San Francisco 7, Cal, 780 Tennessee St Valencia 4-4400
Seattle 1, Wash, 3222 Western Ave Atwater 4-8660
S Howes Co, Inc, Howard St, Silver Creek, N Y Yellowstone 4-2611
Huntington Alloy Products Div, International Nickel Co, Inc, Huntington 17, W Va Jackson 5-0313
Hydrocarbon Research, Inc, 115 Bway, N Y 6 Digby 9-1480
Hylag Products Corp, Point Rd, Marion, Mass 422
N Y 13, 94 Grand St Canal 6-4388
Hynes Electrical Heating Co, 244 Sheffield St, P O Box 1004, Mountainside, N J Adams 2-5350

I

I-T-E Circuit Breaker Co, 1900 Hamilton St, Phila 30, Pa Locust 7-1420
Atlanta, Ga, 3131 Maple Dr, NE, Rms 203, 205 Cedar 7-6361
Baltimore, Md, 7215 York Rd Valley 5-3950
Birmingham, Ala, 701 S 37 St Fairfax 4-5785
Boston, Mass, 31 St James Ave Hancock 6-3630
Charlotte, N C, 215 E Morehead St Edison 4-0814
Chicago, Ill, Bankers Bldg, Rm 1719, 105 W Adams St State 2-6132
Cincinnati, O, 4557 Montgomery Rd Redwood 1-3966
Cleveland, O, 11800 Shaker Blvd Skyline 2-4330
Davenport, Iowa, P O Box 241, 218 Brady St 6-5327
Denver, Colo, 655 Bway Bldg, Rm 410 Amherst 6-1404
Detroit, Mich, 16907 W 8 Mile Rd Broadway 3-7181
Hamden, Conn, P O Box 5335, 2315 Whitney Ave Atwater 8-9273
Houston, Tex, 2525 San Jacinto St Capitol 8-2378
Indianapolis, Ind, 1224 N Capitol Ave Melrose 9-3454
Kansas City, Mo, 4733 Bellview St Logan 1-7856
Los Angeles, Cal, 1921 E 7 St Madison 2-7134
Memphis, Tenn, 219 Adams Ave Jackson 6-1169
Miami, Fla, 4216 Ponce de Leon Blvd, P O Box 797 Highland 4-8217
Milwaukee, Wis, 210 W Michigan St, Rm 205 Broadway 1-7900
Minneapolis, Minn, 2025 Nicollet Ave, Nicollet Exchange Bldg Federal 9-8796
New Orleans, La, 1500 Carondelet St Jackson 2-3643
N Y C, 233 Bway Barclay 7-5670
Omaha, Neb, Dodge Ctr Bldg, 5002 Dodge St, Rm 205 Capital 0255
Phila, Pa, 101 N 33 St, Suite 201 Evergreen 6-0900
Pittsburgh, Pa, 249 N Craig St Museum 3-5381
St Louis, Mo, 7 N Brentwood Blvd Parkview 7-8202
San Francisco, Cal, 230 Ryan Way Plaza 6-8600
Syracuse, N Y, O'Donnell Bldg, Rms 205, 207, 321 Erie Blvd Harrison 2-2338
Tampa, Fla, 221 N Howard Ave 82-6861
Tonawanda, N Y, 2690 Sheridan Dr Amherst 9880
Tulsa, Okla, 816 E 6 St Luther 4-3518
Washington, D C, 1012 14 St, NW District 7-2326
Ideal Cement Co, 821 17 St, Denver 2, Colo Acoma 2-5661
Albuquerque, N M, 131 Adams NE Alpine 5-5528
Billings, Mont, 507 Midland Natl Bank Bldg Alpine 2-5175
Houston, Tex, 911 Walker Ave Capital 4-1611
Knoxville, Tenn, 410 Fidelity-Bankers Trust Bldg 524-8451
Little Rock, Ark, 611 Wallace Bldg Franklin 4-4893
Mobile, Ala, 256 N Joachim St Hemlock 2-4446
New Orleans, La, 406-408 International Trade Mart 524-1658
Oklahoma City, Okla, 120 Park Ave Central 5-2392
Omaha, Neb, 680-686 Insurance Bldg 341-2866
Portland, Ore, 708 Cascade Bldg Capital 8-7288
Salt Lake City, Utah, 554 S 3 St W Empire 3-6755
San Francisco, Cal, 310 Sansome St Garfield 3-6755
Seattle, Wash, 1320 Washington Bldg Main 2-5638
Spokane, Wash, 724 Old National Bank Bldg Temple 8-2051
Illinois Water Treatment Co, 828 Cedar St, Rockford, Ill Woodland 8-9691
N Y 17, 141 E 44 St Murray Hill 7-7797
Imperial-Eastman Corp, 6300 W Howard St, Chicago 48, Ill Spring 4-1700
Independent Filter Press Co, Inc, 250 48 St, Bklyn 20, N Y Gedney 9-5774
Indianapolis Wire Bound Box Co, Box H, Fernwood, Miss McComb 3036
Indianapolis, Ind, 1300 Beecher St State 4-4433
Industrial Filter & Pump Mfg Co, 5900 Ogden Ave, Cicero, Ill OL 2-8700
Industrial Instruments, Inc, 89 Commerce Rd, Cedar Grove, N J Center 9-6200
Industrial Process Engrs, 5 Lister Ave, Newark 5, N J MA 4-4400
Infilco Inc, PO Box 5033, Tucson 1, Ariz Main 3-5401
Ingersoll-Rand Co, 11 Bway, N Y 4 Digby 4-6070
Branches in all principal cities
Inland Steel Container Co, Div Inland Steel Co, 6532 S Menard Ave, Chicago 38, Ill Portsmouth 7-8100
Atlanta 19, Ga, 3203 Woodrow Way, NE Cedar 7-3239

Buffalo 11, N Y, 64 Rapin St Taylor 8760
Cincinnati 25, O, 3240 Spring Grove Kirby 1-4700
Cleveland 5, O, 9612 Meech Ave Diamond 1-9494
Greenville, O, Railroad & Markwith Aves Lincoln 8-4111
Houston, Tex, 1300 Main St Capitol 5-3264
Jersey City 5, N J, 353 Danforth Ave Delaware 3-4700
Kansas City 3, Kans, 16 Elmwood St Johnson 2-9828
New Orleans, 19, La, 325 N Cortez St Audubon 8716
N Y 17, 230 Park Ave Murray Hill 6-7252
St Paul 1, Minn, First Natl Bank Bldg Capitol 4-3275
(The) International Boiler Works Co, 630 Birch St, E Stroudsburg, Pa HA 1-5100
International Engrg, Inc, Box 14, Far Hills Branch, Dayton 19, O Baldwin 8-1234
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass Stadium 2-7900
International Graphite & Electrode Div, Speer Carbon Co, Theresia St, St Marys, Pa Terminal 4-2801
International Paper Co, 220 E 42 St, N Y 17 Murray Hill 2-7500
Atlanta 3, Ga, 134 Peachtree St Jackson 4-7346
Baltimore 1, Md, 312 Davison Chemical Bldg Saratoga 7-3424
Boston 10, Mass, 125 High St Hancock 6-2264
Chicago 6, Ill, 400 W Madison St Randolph 6-1281
Cleveland 13, O, 1001 Terminal Tower Prospect 1-0620
New Orleans 12, La, 503 Hibernia Bank Bldg Tulane 3443
Phila 7, Pa, 1524 National Bank Bldg Rittenhouse 6-4191
San Francisco 4, Cal, 235 Montgomery St Yukon 2-7230
Island Equipment Corp, 1090 E 31 St, Hialeah, Fla Oxford 6-0321
Flushing 54, N Y, 135-20 39 Ave Hickory 5-9190

J

Bryon Jackson Pumps, Inc, Subs of Borg Warner Corp, P O Box 2017 Terminal Annex, Los Angeles 54, Cal LU 7-6171
Branches in all principal cities
Jacobs Engrg Co, 774 E Green St, Pasadena, Cal Murray 2-9373
Jacoby-Tarbox Corp, 812 Nepperhan Ave, Yonkers, N Y Yonkers 5-8400
D O James Gear Mfg Co, 1140 W Monroe St, Chicago 7, Ill Canal 6-1800
Bala Cynwyd, Pa, 9 Union Ave Mohawk 4-8070
Columbia, S C, P O Box 4193 SU 7-4676
Davenport, Iowa, 2504 Harrison St 323-3314
Denver 4, Colo, 845 Wyandott Amherst 6-3067
Downey, Cal, 10507 Wiley-Burke Topaz 2-0189
East Weymouth, Mass, 991 Pleasant St Edgewater 5-1898
Milwaukee, Wis, 828 N Bway Broadway 6-4443
Minneapolis, Minn, 4604 Chicago Ave Taylor 7-2641
New Orleans, La, 200 Board of Trade Annex Tulane 0409
Pittsburgh, Pa, 410 Grant Bldg Atlantic 1-2618
San Jose, Cal, 2055 Colusa Way Drexel 9-3540
Summit, N J, 382 Springfield Ave Crestwood 7-6336
Jamesburg Corp, New St, Worcester, Mass
Jarrell-Ash Co, 25 Farwell St, Newtonville 60, Mass Decatur 2-2130
Atlanta 9, Ga, 1430 Monroe Dr, NE Trinity 6-9020
Dallas 19, Tex, 4045 Lemmon Ave Lakeside 6-7433
Dearborn, Mich, 1910 Woodside Dr Logan 2-9572
Glen Ellyn, Ill, 526 Crescent Blvd Glen Ellyn 105
(Los Angeles) Costa Mesa, Cal, 2533 Fordham Dr Kimberly 5-5305
New Brunswick, N J, 347 Livingston Ave Kilmer 5-5305
Pittsburgh 9, Pa, 916 Greenhill Rd Taylor 1-2990
(San Francisco) San Mateo, Cal, 1789 Lexington Ave Fireside 1-2814
(The) Jeffrey Mfg Co, 777 N 4 St, Columbus 16, O Axminster 4-3331
Atlanta 5, Ga, 3272 Peachtree Rd, NE
Birmingham 5, Ala, 3012 4 Ave, S
Bluefield, W Va, 1703 Jefferson St
Boston 16, Mass, 38 Newbury St
(Buffalo) Tonawanda, N Y, 1914 Colvin Blvd
Chicago 1, Ill, 307 N Michigan Ave
Cincinnati 2, Ill, Carew Tower
Cleveland 15, O, Hanna Bldg
Denver 2, Colo, 1726 Champa St
Detroit 35, Mich, 14631 W McNichols Rd
Evansville, Ind, 1066 Diamond Ave
Harlan, Ky
Houston 6, Tex, Southern States Life Bldg
Jacksonville 2, Fla, Prudential Bldg
Los Angeles 22, Cal, 2119 S Atlantic Blvd
Milwaukee 2, Wis, 735 N Water St
Minneapolis 16, Minn, 6301 W Lake St
Mobile, Ala, P O Box 6192
N Y 7, 50 Church St
(Phila) Wynnewood, Pa, 7 Wynnewood Rd
Pittsburgh 22, Pa, Oliver Bldg
Raleigh, N C, 116 S Harrington St
Salt Lake City 16, Utah, 15-NW Temple St
(San Francisco) Burlingame, Cal, 1862 Rollins Rd
St Louis 5, Mo, Slavin Bldg
Jerguson Gage & Valve Co, Adams St, Burlington, Mass Browning 2-3600
Jessop Steel Co, 500 Green St, Washington, Pa Baldwin 2-4000
Birmingham 3, Ala, 407-408 Brown-Marx Bldg Fairfax 2-4656
Buffalo, N Y, 131 Cadman Dr Niagara Frontier (NF) 3-5939
Charlotte 9, N C, 2926 Westfield Rd, PO Box 11243 Edison 4-3783
(Chicago) Broadview, Ill, 25 Ave at Cermak Rd Estebrook 9-5966
Cincinnati 2, O, 1914 Union Central Bldg Maine 1-8102
Cleveland 15, O, 514 Buckley Bldg Main 1-4197
East Orange, N J, 86 Washington St Orange 7-0070
Hartford 3, Conn, 111 Pearl St Jackson 7-8106
Houston 25, Tex, 4010 Bluebonnet at Stella Link Mohawk 5-3457
Indianapolis, Ind, 706 Fidelity Bldg Melrose 6-5539
(Los Angeles) Sante Fe Springs, Cal, 14100 E Rosecrans Ave, P O Box 2338 Spruce 3-4143
Milwaukee, Wis, 606 W Wisconsin Ave Broadway 6-3290
Phila 2, Pa, 225 S 15 St Pennypacker 5-4832
Pittsburgh 34, Pa, 250 Mt LeGanon Blvd, Suite 306 Fieldbrook 1-3157
St Louis, Mo, Shell Bldg, Rm 302, 212 Central Ave Parkview 5-7475
Warren, Mich, 25854 Sherwood Ave, P O Box 265 Jefferson 6-1040
Washington, D C, Rm 440, Woodward Bldg, 15 & H Sts, NW Republic 7-4055

►JOHNS-MANVILLE,
22 E 40 St, N Y 16 Lexington 2-7600
Atlanta 3, Ga, 101 Marietta St Jackson 5-2021
Boston 14, Mass, 1501 Causeway St, Copley 7-6500
Chicago 54, Ill, Mdse Mart Plaza Delaware 7-1144
Cincinnati 2, O, 510 American Bldg Parkway 1-5840
Cleveland 15, O, 3101 Euclid Bldg
Denver 2, Colo, 755 Glenarm Pl Keystone 4-6378
Houston 4, Tex, 3115 Blodgett St Jackson 6-17551
Los Angeles 5, Cal, 611 S Catalina St Dunkirk 5-0595
Milwaukee 9, Wis, 4260 N Teutonia Ave Uptown 3-9220
Minneapolis 16, Minn, 3100 W Lake St Walnut 7-9991
New Orleans 19, La, 2400 Canal St Tulane 0361
Phila 6, Pa, The Mall Bldg Walnut 2-5000
Pittsburgh 19, Pa, 2228 Koppers Bldg Atlantic 1-4040
(St Louis) Clayton 5, Mo, 7912 Bonhomme Ave Parkview 1-4000
San Francisco 5, Cal, 116 New Mongomery St Douglas 2-4353
Seattle 3, Wash, 4304 Stone Way Melrose 3-4300
(The) Johnson Corp, 881 Wood St, Three Rivers, Mich Crestwood 8-1715
(The) Johnson-March Corp, 3018 Market St, Phila 4, Pa Baring 2-1411
Johnson Service Co, 507 E Michigan St, Milwaukee 1, Wis Broadway 6-9200
Branches in all principal cities
Johnson-Williams, Inc, 2625 Park Blvd, Palo Alto, Cal Davenport 3-4131
Jones Box & Mill Div, 34 Michigan St, N Tonawanda, N Y NX 4-1400
Jordan Controls, Inc, 3235 W Hampton Ave, Milwaukee, Wis Uptown 1-9240
Joy Mfg Co, 444 Oliver Bldg, Pittsburgh 22, Pa Grant 1-2140
Burlington, Mass, 2 Ave Browning 2-9500
Chicago 6, Ill, 560 W Washington Blvd Dearborn 2-4670
Cleveland 35, O, 16141 Puritas Ave Clearwater 1-9444
Dallas 20, Tex, 7425 Hines Blvd Fleetwood 7-3948
Detroit 35, Mich, 17615 W McNichols Rd Kenwood 7-2660
El Paso, Tex, 1022 Wyoming St Keystone 3-2121
Los Angeles 22, Cal, 5426 E Washington Blvd Raymond 3-6305
N Y 7, 100 Church St Cortlandt 7-6545
Phila 2, Pa, 1420 Walnut St Pennypacker 5-1414
Pittsburgh 16, Pa, 3021 Banksville Rd Locust 3-4000
Salt Lake City 4, Utah, 998 S 6 W St Davis 2-0481
See also Western Precipitation Div

K

Kahn & Co, Inc, 886 Wells Rd, Wethersfield, Conn Jackson 9-8643
Kaiser Aluminum & Chem Corp, 300 Lakeside Dr, Oakland 12, Cal CR 1-2211
Branches in all principal cities
Kaiser Refractories & Chems Div, Kaiser Aluminum & Chem Corp, 300 Lakeside Dr, Oakland, Cal Crestview 1-2211
Branches in all principal cities
Kalamazoo Tank & Silo Co, 507 Harrison St, Kalamazoo, Mich FI 5-2141
(The) W A Kates Co, 430-C Waukegan Rd, Deerfield, Ill Windsor 5-0950
Kaye & MacDonald, Inc, 15 Central Ave, West Orange, N J Orange 4-8060
Keasbey & Matison Co, Butler Ave, Ambler, Pa
E Keeler Co, 238 West St, Williamsport, Pa 5175
Baltimore, Md, 222 E Baltimore St 326-5175
N Y 7, 50 Church St Cortland 7-2930
Phila 7, Pa, Penn Sq Bldg, Filbert & Juniper Sts Rittenhouse 6-2214
Kelite Corp, 81 Industrial Rd, Bldg 14, Berkeley Hts, N J CR 3-5500
Beaumont, Tex, 207 Franklin St Terminal 8-1175
Charlotte, N C, 106 N Caldwell St ED 3-4289
Chicago 45, Ill, 3401 W Touhy Ave Ambassador 2-4060
Dallas, Tex, 9213 Sovereign Row Fleetwood 7-3900
Dayton 20, O, 2012 Reardon Dr BA 4-7201
Detroit, Mich, 550 Maccabees Bldg Fairmont 1-1744
Indianapolis, Ind, 3721 N Keystone Ave Liberty 7-8315
Los Angeles 12, Cal, 1250 N Main St Capitol 2-0201
Kelley Co, Inc, 2161Q W Mill Rd, Milwaukee, Wis FL 2-1000
Chicago 44, Ill, 15 S Austin St Columbus 1-6037
(The) M W Kellogg Co, 711 3 Ave, N Y 17 Oxford 7-5200
Kellogg-American Div, Scaife Co, Ann St, Oakmont, Pa Pittsburgh: Emerson 2-2100
Atlanta, Ga, 1195 Victory Dr, S W
Chicago, Ill, 10912 S Western Ave
Dallas, Tex, 5151 Sharp St
Dayton, O, 107 E David Rd
Denver, Colo, 4303 Brighton Blvd
Lexington, Mass, 4 Donald St
N Y C, 180 Madison Ave
Kelvin Engrg Co, 135 Front St, NY 5 WH 4-9257
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md Vernon 7-1190
Kenco Pump Div, (The) American Crucible Products Co, 1305 Oberlin Ave, Lorain, O Cherry 5-6826
Kennedy Car Liner & Bag Co, Inc, Shelbyville, Ind EX 2-2521
(Buffalo) Williamsville, N Y, 136 Lafayette Blvd Spring 8484
Chicago, Ill, 400 W Madison, Daily News Bldg, Rm 2346 Central 6-5445
Cleveland, O, 815 Superior Ave NE Cherry 1-5755
Detroit, Mich, 14631 W McNichols Rd, Rm 8 BR 2-5110
N Y 36, 11 W 42 St, Rm 842 Oxford 5-0950
Phila, Pa, 327 S 17 St Pennypacker 5-8194
Pittsburgh, Pa, 228 St Croix Dr Sycamore 3-1421
Kennedy Tank & Mfg Co, Inc, 833 E Sumner Ave, Indianapolis 27, Ind ST 7-1311
(The) Kennedy Valve Mfg Co, 1060 E Water St, Elmira, N Y Regent 3-4646
Chicago 7, Ill, 1306-12 S Canal St Canal 6-2776
Houston 1, Tex, 1302-4 Nance Capital 5-4272
Los Angeles, Cal, 5408 E Beverly Blvd Raymond 3-3666
N Y 13, 161 6 Ave Algonquin 5-4494
San Francisco 3, Cal, 350 10 St Hemlock 1-0350
Kennedy Van Saun Mfg & Engrg Corp, 405 Park Ave, N Y 22 PL 3-2200
Kewaunee Mfg Co, 5101 S Center St, Adrian, Mich Colfax 5-7131
N Y C Bowling Green 9-4150
Phila 7, Pa, Western Savings Fund Bldg Pennypacker 5-9358
Menlo Park, Cal, 1141 Chestnut St Davenport 5-7108
Keystone Carbon Co, State St, St Marys, Pa
Walter Kidde & Co, Inc, 198 Main St, Belleville 9, N J Plymouth 9-5000
Atlanta 18, Ga, P O Box 2594, Station D, 1882 Marietta Blvd Sycamore 9-5381
Chicago 7, Ill, 1310-20 W Randolph St Seeley 8-2724
Dallas 35, Tex, 7224 Harry Hines Blvd Fleetwood 1-6466
Detroit 37, Mich, 20850 Coolidge Hwy Jordan 6-6388
Los Angeles 16, Cal, 4845 W Exposition Blvd Republic 3-0158
Newton Lower Falls 62, Mass, 2300 Washington St Woodward 9-8805
Phila 4, Pa, 101 N 33 St Baring 2-8181
Industrial Marine Div
Kidde Aero-Space Div
Kidde Electronics Labs, 198 Brighton Rd, Clifton N J Gregory 2-5000
Kidde Ultrasonic & Detection Alarms Div, 198 Brighton Rd, Clifton, N J Gregory 2-5000
Killark Elec Mfg Co, 3940 Easton Ave, St Louis 13, Mo Jefferson 1-0460
Kinetic Dispersion Corp, 95 Botsford Pl & K, Buffalo 16, N Y TR 7-5533
King Engrg Corp, P O Box 460, Ann Arbor, Mich Normandy 2-5651
S P Kinney Engrs, Inc, 201 2 Ave, Carnegie, Pa WA 1-6004
(The) Kirk & Blum Mfg Co, 3178 Forrer St, Cincinnati 9, O Elmhurst 1-1400
Klemp Metal Grating Corp, 1132 W Blackhawk St, Chicago 22, Ill Whitehall 4-5650
N Y 1, 350 5 Ave Lackawanna 4-5188
Klipfel Valves Div, Hamilton Thomas Corp, 1075 Lincoln Ave, Hamilton, O TW 5-5661
Knapp Mills, Inc, 23-15 Borden Ave, L I C, N Y Ravenswood 9-8550
Knowlton Bros, 213 Factory St, Watertown, N Y SU 2-0600
Komline-Sanderson Engrg Corp, 115 Holland Ave, Peapack, N J Peapack 8-1000

Arlington Hts, Ill, 702 E Northwest Hwy Clearbrook 3-3900
Koppers Co, Inc, Metal Products Div, 200 Scott St, Baltimore 3, Md Saratoga 7-2500
Boston, Mass, 250 Stuart St HA 6-1700
Buffalo, N Y, 626 Delaware Ave GA 9304
Chicago 3, Ill, 122 S Michigan Ave Webster 9-2400
Cincinnati, O, 6900 Silverton Ave TW 1-4031
Cleveland, O, 1900 Euclid Ave MA 1-2034
Dallas, Tex, 2909 Maple Ave RI 7-6769
Detroit, Mich, 301 W 8 Mile Rd FO 6-5200
Los Angeles 5, Cal, 3450 Wilshire Blvd Dunkirk 8-0676
N Y 22, 430 Park Ave Plaza 5-2810
Phila, Pa, 355 Lancaster Ave MI 2-5855
Pittsburgh 19, Pa, 652 Porter Bldg Express 1-3300
San Francisco, Cal, 55 New Mongomery St DO 2-3364
(The) Korfund Co, Inc, Cantiaque Rd, Westbury, N Y ED 3-7580
(The) Kraft Bag Div, St Marys Kraft Corp, Subs Gilman Paper Co, N Y 20 Circle 7-2860
Chicago 6, Ill, 400 W Madison Financial 6-4477
Kuljian Corp, 1200 N Broad St, Phila 21, Pa Stevenson 2-9000
(The) Kutlir Labs, Monmouth Rd, Monmouth Jct, N J Davis 9-6661
Kutztown Foundry & Mach Corp, Kutztown, Pa Overbrook 3-7351

L

L & A Water Conditioning Inc, 1009 Air Way, Glendale 1, Cal CH 5-1854
L & L Mfg Co, 1136 8 St, Upland, Del-Co, Pa Tremont 2-2214
Laboratory Equipment Corp, Hilltop Rd & Washington Ave, St Joseph, Mich YU 3-5533
Laboratory Furniture Co, Inc, Old County Rd, Mineola, N Y Pioneer 2-3600
Ladish Co, 5482 S Packard Ave, Cudahy, Wis Humboldt 1-1500
Amarillo, Tex, 1011 Fisk Bldg Drake 3-7872
Baton Rouge, La, 3170 Florida Blvd Dickens 8-2324
Buffalo 3, N Y, 14 Lafayette Sq Cleveland 6477
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-3290
Cleveland 15, O, 627 Hanna Bldg Tower 1-0642
Denver, Colo, Mile High Ctr Bldg Main 3-5371
Houston 25, Tex, 1100 E Holcomb Blvd JA 4-7557
Los Angeles 58, Cal, 3321 E Slauson Ave Ludlow 3-4681
N Y 17, 60 E 42 St Murray Hill 2-7662
Odessa, Tex, 419 W 4 St Federal 7-6561
Phila 2, Pa, 1405 Locust St Kingsley 5-5623
Pittsburgh, Pa, 3020 Grant Bldg Grant 1-9516
St Louis 8, Mo, 3615 Olive St Jefferson 5-4175
St Paul 14, Minn, 2200 University Ave Midway 5-3909
San Francisco 11, Cal, 420 Market St Yukon 2-6360
Seattle 9, Wash, 314 Fairview Ave N Main 4-0747
Tulsa, Okla, 1810 S Baltimore Gibson 7-7261
Tri-Clover Div, 2809 60 St, Kenosha, Wis OL 4-3551
Lammert & Mann Co, 1767 W Walnut St, Chicago 12, Ill SE 3-0383
LaMotte Chem Products Co, Chestertown, Md Chestertown 1000
(The) Lamports Co, 1405 W 6 St, Cleveland 13, O MA 1-3315
Chicago 6, Ill, 315 Adams St
Detroit 26, Mich, 204 W Jefferson Ave
Los Angeles 13, Cal, 439 E 3 St
N Y 13, 55 Leonard St
Lancaster Chem Corp, Broad St, Carlstadt, N J WE 3-1100
Lange & Crist Box & Lumber Co, Inc, Chestnut & Martin Sts, Clarksburg, W Va MA 4-6488
Lawrence Pumps Inc, 371 Market St, Lawrence, Mass Murdock 2-5249
David M Lea & Co, Inc, 1960 Hopkins Rd, Richmond, 12, Va Belmont 3-8301
(The) Leavitt Mach Co, 10 E River St, Orange, Mass KI 4-2751
Lebanon Steel Foundry, 1 Ave & E Lehman St, Lebanon, Pa CR 3-1611
Lecourtenay Co, 5 Maine St, Newark 5, N J Market 3-2905
N Y 20, 30 Rockefeller Plaza Circle 7-1224
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa Davenport 9-4900
Branches in all principal cities
Lehigh Fan & Blower Div, Fuller Co, Catasauqua, Pa Congress 4-2841
Leiman Bros, Inc, 146-181 Christie St, P O Box 1339, Newark 1, N J Market 3-7520
Le May Valve Co, 276 Le May Ferry Rd, St Louis 23, Mo Hudson 1-3050
Leonard Construction Co, 37 S Wabash Ave, Chicago 3, Ill State 2-5041
J D Leonard & Assoc, 437 5 Ave, N Y 16 MU 6-4712
Le Roi Div, Westinghouse Air Brake Co, Sidney, O Hyacinth 2-9101
Atlanta, Ga, 1621 Candler Bldg Jackson 4-3868
Cleveland 9, O, 4798 W 35 St Shadyside 9-1353
Denver 3, Colo, 610 Farmers Union Bldg Amherst 6-1042
Elmhurst 73, N Y, 50-51 Jacobus St Twining 8-3000
Milwaukee 13, Wis, 2500 N 108 St (Hwy 100) Spring 1-4700
Oakland, Cal, 428 13 St, Rm 811, Easton Bldg Templebar 2-2842
Tulsa 19, Okla, 1307 S Boulder, Suite 307A, IBM Bldg Luther 4-3575
Leslie Co, Delafield Ave, Lyndhurst, N J Geneva 8-8000
Lilie-Hoffmann Cooling Towers, Inc, 1450 S Vanderventer Ave, St Louis 10, Mo Olive 2-4511
(The) Lincoln Elec Co, 22801 St Clair Ave, Cleveland 17, O Ivanhoe 1-8100
Branches in all principal cities
Lincoln Engrg Co, Div McNeil Mach & Engrg Co, 4012 Goodfellow Blvd, St Louis 20, Mo Evergreen 3-5900
Detroit 2, Mich, 8627 Woodward Ave Trinity 5-3484
Phila 3, Pa, 1609 Vine St Rittenhouse 6-8131
Pittsburgh, Pa, 6 & Annsbury St Davenport 9-0790
Linde Co, Div Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
Branches in all principal cities
Link-Belt Co, Dept CWBG-60, Prudential Plaza, Chicago 1, Ill RA 6-7790
Branches in all principal cities
Lippmann Engrg Works, Inc, 4603 W Mitchell St, Milwaukee 14, Wis Mitchell 5-5544
(The) Liquidometer Corp, 41-03 36 St, LIC 1, N Y Stillwell 4-1440
Arthur D Little, Inc, 35 Acorn Pk, Cambridge 40, Mass University 4-5570
Little Giant Products, Inc, 1552 N E Adams St, Peoria, Ill 673-4515
Litton Engrg Labs, P O Box 949, Grass Valley, Cal 273-6176
Litwin Engrg Co, 204 N Waco, Wichita 8, Kans Amherst 5-9543
(The) Logan Clay Products Co, Box 698G, Logan, O EV 5-2184
Logan Co, 225 Cabel St, Louisville 6, Ky JU 7-1361
Atlanta 9, Ga, 2135 Liddell Dr, NE Trinity 5-7548
Birmingham, Ala, 9820 Virginianna Dr Vernon 6-2064
Brookfield, Ill, Box 117, 9242 Bway Hunter 5-7062
Buffalo 26, N Y, 3923 Harlem Rd Circle 2104
Cleveland 3, O, 4500 Euclid Endicott 1-2890
Dayton 10, O, 1970 S Smithville Rd Clearwater 6-2161
Detroit 3, Mich, 5057 Woodward Ave EM 1-7721
Greenville, S C, 130 Capers St, Box 3142, Sta A Cedar 5-1131
Indianapolis 4, Ind, 635 N Pennsylvania St Melrose 4-3873
Kansas City 10, Mo, 1102 E 47 St, P O Box 6019 Valentine 1-7621
Lakeland, Fla, 1817 Shady Lane Mutual 2-1123
Milwaukee 4, Wis, 647 W Virginia St Broadway 1-5343
Newark 5, N J, 400 Delancy St Worth 2-1292
N Y C: Market 2-3533
New Orleans 18, La, 201 St Clair Bldg, 3709 S Carrollton Ave Hunter 2-3131
Pittsburgh 36, Pa, 4602 Clairton Blvd
St Louis 17, Mo, 1110 S Brentwood Blvd Parkview 7-9257
Upper Darby, Pa, 7042 Marshall Flanders 2-5212
Worcestor 6, Mass, 2 Malden St Pleasant 2-6180
C W Logeman Co, 633 Bergen St, Bklyn 38, N Y Ulster 7-9403
Lord Mfg Co, 1635 W 12 St, Erie, Pa Glendale 6-8511
Atlanta 5, Ga, 3131 Maple Dr Cedar 7-9247
Boston 16, Mass, Statler Office Bldg Hancock 6-9135
Chicago 11, Ill, 520 N Michigan Ave Michigan 2-6010
Dallas 1, Tex, Gibralter Life Bldg Riverside 1-3392
Dayton 2, O, 349 W 1 st Baldwin 4-0351
Detroit 35, Mich, 18040 James Couzens Hwy Diamond 1-4340
Kansas City 11, Mo, 406 W 34 St Westport 1-0138
Los Angeles 28, Cal, 7046 Hollywood Blvd Hollywood 4-7593
Paramus, N J, Bergen Mall Diamond 3-4333
Phila 2, Pa, 1420 Walnut St Pennypacker 5-3559
San Francisco 11, Cal, 916 Kearny St Exbrook 7-6280
Winter Park, Fla, 135 A E Morse Blvd Midway 7-5501
Lukens Steel Co, 441 Services Bldg, Coatesville, Pa Dudley 4-6200
Albany 7, N Y, 11 N Pearl St Albany 4-2157
Boston 16, Mass, 20 Providence St Hubbard 2-4031
Buffalo 5, N Y, 1731 Hotel Statler Mohawk 8180
Chicago 4, Ill 332 S Michigan Ave Webster 9-3880
Cincinnati 37, O, 1720 Section Rd Redwood 1-2441
Cleveland 14, O, 1201 Citizens Bldg Main 1-9116
Los Angeles 14, Cal Murry 2-1897
N Y 7, 233 Bway Rector 2-1324
Pittsburgh 19, Pa, 429 4 Ave Grant 1-1427
Richmond, Va, 717 Central Natl Bank Bldg Richmond 3-5303
San Marino, Cal, 475 Huntington Dr Sycamore 9-6793
San Mateo, Cal, 20 N San Mateo Dr Diamond 2-3568
(The) Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, O Export 6-9610
Boston 55, Mass, 313 Mystic Ave Taylor 9-1818
Chicago 8, Ill, 1500 S Western Ave
Houston 2, Tex, 1121 Rothwell St Sec 4 Capitol 4-9763
N Y 17, General Telephone Bldg, 730 3 Ave Oxford 7-8373
Phila 34, Pa, 3209-17 B St Garfield 3-3300
Luzerne Rubber Co, 125 Muirhead Ave, Trenton, N J Export 2-4131

M

M-D Blowers, Inc, 100 4 St, Racine, Wis Melrose 7-5673
M M M Inc, 1315 Hutchins St, Houston 1, Tex CA 3-4237
MRM Co, Inc, 191 Berry St, Bklyn 11, N Y Evergreen 7-3936
MSA Research Corp, Mars Hway, Callery, Pa Evans City 3510
(The) Mack Iron Works Co, 140 Warren St, Sandusky, O 626-3712
R B MacMullin Assoc, 610 Hancock Bldg, Niagara Falls, N Y Butler 5-7571
Magnatrol Valve Corp, 67 5 Ave, Hawthorne, N J HA 7-4341
Magnetrol, Inc, 2110 S Marshall Blvd, Chicago 23, Ill Bishop 7-4000
Thomas J Mahon, Inc, 75 Brayton St, Englewood Cliffs, N J Lowell 7-3900
(The) R C Mahon Co, 6565 E 8 Mile Rd, Detroit 34, Mich Jefferson 6-8200
Chicago, Ill, 231 S La Salle
Cleveland Hts, O, 2000 Lee Rd
East Orange, N J, 62 Halstead
N Y 17, 420 Lexington Ave
San Francisco, Cal, 821 Market St
Torrance, Cal, 2600 Monterey
Main Bros Box & Lumber Co, Karnak, Ill
Majac, Inc, 23 St, Sharpsburg, Pittsburgh 15, Pa Sterling 2-2435
Manitowoc Shipbuilding Inc, S 16 & River St, Manitowoc, Wis Murray 4-6621
Manning, Maxwell & Moore, Inc, 250 E Main St, Stratford, Conn Drexel 8-8281
Atlanta 9, Ga, 1036 Peachtree St, NE
(Chicago) Bellwood, Ill, 2600 W Van Buren St
Cleveland 35, O, 15210 Industrial Pkwy
Houston 11, Tex, 6711 Supply Row
(Los Angeles) Gardena, Cal, 15205 S Main St
N Y 17, Chrysler Bldg
Phila 38, Pa, 6628 Limeklin Pike
Pittsburgh 22, Pa, Park Bldg
Tulsa 4, Okla, 2415 E 13 Pl
J C Mantell & Assoc, 457 Washington St, N Y 13 Evergreen 5-8052
Manton-Gaulin Mfg Co, Inc, 40 Garden St, Everett 49, Mass Dunkirk 7-9300
(The) Manufacturers Equipment Co, 218 Madeira Ave, Dayton 4, O Baldwin 2-5565
Manzel Unit, Houdaille Industries, Inc, 315 Babcock St, Buffalo 10, N Y Fairview 5300
Marathon Elec Mfg Corp, Wausau, Wis VI 2-2011
(Boston 82) Wellesley Hills, Mass, 354 Washington St Cedar 5-6868
Chicago 14, Ill, 2701 N Paulina St Eastgate 7-8450
Cincinnati 12, O, 2089 Sherman Ave Redwood 1-5400
Cleveland 9, O, 1110 Brookpark Rd Shadyside 9-4667
Dallas 1, Tex, 318 N Pearl St Riverside 7-7695
Davenport, Iowa, 705 Union Arcade Bldg 326-3133
Des Moines, Iowa, 1000 Grand Ave Cherry 4-4919
Erie, Pa, 12 & Cranberry St GL 2-6436
Houston 6, Tex, 3302 Mercer Jackson 3-5301
Indianapolis 18, Ind, 1701 N Sherman Dr Fleetwood 7-1127
Kansas City 11, Mo, 406 W 34 St Valentine 1-0100
Milwaukee 17, Wis, 316 E Silver Spring Dr Woodruff 2-7500
Minneapolis 26, Minn, 7600 Hwy 7 West 5-6406
Newark 4, N J, 1245 McCarter Hwy Humboldt 2-9233
Pittsburgh 12, Pa, 516 Federal St Fairfax 1-4486
Skaneateles, N Y, P O Box 216 1093
Tulsa 3, Okla, P O Box 886 Gibson 7-0520
York, Pa, 123 E Market St York 3-6786
(The) Marley Co, 222 W Gregory Blvd, Kansas City 14, Mo Emerson 1-2222
Alhambra, Cal, 924 E Main St Atlantic 1-1892
Chicago 2, Ill, 111 W Washington St Randolph 6-1926
Cincinnati 27, O, 6901 Wooster Pike Bramble 1-3670
Houston 19, Tex 2132 Welch Jackson 6-2591
Kansas City 3, Kans, 2500 Johnson Dr Skyline 1-1930
Los Angeles, Cal, 924 E Main Cumberland 3-2747
N Y 6, 75 West St Bowling Green 9-0325
Phila 7, Pa, 12 S 12 St Market 7-7958
San Francisco 11, Cal, 420 Market St Douglas 2-2522
Washington 5, D C, 777 14 St N W Metropolitan 8-6747
Marlow Pumps, Div Bell & Gossett Co, P O Box 200, Midland Pk, N J Gilbert 4-6900
Longview, Tex, Eastman Blvd Plaza 3-7211
Morton Grove, Ill, 8200 N Austin Ave Orchard 3-3700
Marsh Instrument Co, Div Colorado Oil & Gas Corp, 3500 Howard St, Skokie, Ill Orchard 3-4300

Cleveland 7, O, 14237 Detroit Ave
Fort Lee, N J, 1209-11 Anderson Ave Whitney 5-9300
Houston 2, Tex, 1121 Rothwell, Sec 15
Jenkintown, Pa, P O Box 255
Quincy 69, Mass, 77 Parkingway
(The) Martin Bros Container & Timber Products Corp, 39 Blucher, P O Box 697, Toledo 1, O CH 8-4241
Oakland, Ore, P O Box 698 2211
Roseland, La Amite City 2411
Salinas, Cal, Ft San Luis St Harrison 2-7468
San Francisco, Cal, 100 Bush St Sutter 1-2260
Whittier, Cal, P O Box 509 Oxbow 3-7745
Martin Engrg Co, Chemweek St, Neponsit, Ill 3321
Martindale Elec Co, 1375 Hird Ave, Cleveland 7, O Lakewood 1-8567
Mason-Neilan Div, Worthington Corp, Nahatan St, Norwood, Mass Norwood 7-4600
Atlanta 9, Ga, 3272 Peachtree Rd, NE Cedar 7-5501
Birmingham 9, Ala, 10 Office Park, Mt Brook Tremont 1-4363
Los Angeles 23, Cal, 2822 E Olympic Blvd Angelus 1-0341
N Y 22, 375 Park Ave Eldorado 5-1525
Pittsburgh 34, Pa, 3833 Willow Ave Locust 1-7511
Richmond 26, Va, 6002 W Broad St Atlantic 8-6045
Skaneateles, N Y, 9 E Genesee St Overbrook 5-5791
Skokie, Ill, 64 Old Orchard Orchard 6-4114
Upper Darby, Pa, 6908 Market St Granite 6-7141
Upper Montclair, N J, 266 Bellevue Ave Pilgrim 6-0615
Mast Development Corp, 2212 E 12 St, Davenport 29, Iowa 323-9729
(The) Master Package Corp, Owen, Wis Castle 9-2156
Chicago 26, Ill, 7720 N Sheridan Rd Ambassador 2-1725
G Diehl Mateer Co, 774 CW Lincoln Hwy, Wayne, Pa Murray 8-4300
Materials Handling Equipment Co, 2619 N Normandy Ave, Chicago 35, Ill Tuxedo 9-1670
McDaniel Refractory Porcelain Co, 510 9 Ave, Beaver Falls, Pa Tilden 3-8300
McDonnell & Miller, Inc, 3500 N Spaulding Ave, Chicago 18, Ill Cornelia 7-1600
Boston 16, Mass, Statler Office Bldg Hancock 6-0957
Cleveland 18, O, 1925 Lee Rd Fairmont 1-8466
Indianapolis 5, Ind, 132 E 30 St Walnut 4-0222
Los Angeles 15, Cal, 315 W 9 St Madison 5-1525
N Y 36, 55 W 42 St Pennsylvania 6-2656
Newark 2, N J, 972 Broad St Mitchell 3-3721
McDowell-Wellman, 113 St Clair Ave, NE, Cleveland 14, O Main 1-9934
(The) McIntire Co, 23 Okner Pkwy, Livingston, N J Wyman 2-1634
Arthur G McKee & Co, 2300 Chester Ave, Cleveland 1, O Tower 1-2300
Mechanical Products Corp, 1716C W Hubbard St, Chicago 22, Ill Canal 6-7750
Mercer Rubber Co, 136 Mercer St, Trenton 90, N J N Y 17, 66 Reade St JU 7-1200
Mercury Mfg Co, subs Pettibone Mulliken Corp, 4710 W Division St, Chicago 51, Ill Spaulding 2-9300
Atlanta, Ga, 3130 Maple Dr NE
N Y C, 350 5 Ave
San Francisco, Cal, 593 Market St
Merrick Scale Mfg Co, 180-186 Autumn St, Passaic, N J Prescott 9-0697
Chicago 6, Ill, 400 W Madison St, Rm 1904
Metal Textile Corp, 647 E 1 Ave, Roselle 1, N J Chestnut 5-3000

►**METAL & THERMIT CORP,** Woodbridge Rd at Randolph Ave, Rahway, N J Fulton 1-3000
Atlanta, Ga, 565 Western Ave Jackson 3-0415
Detroit 20, Mich, 1700 E 9 Mile Rd Jordan 4-5740
E Chicago, Ind, 415 E 151 St 296
El Segundo, Cal, 1926 E Maple Ave Oregon 8-5186
N Y 17, 100 Park Ave Lexington 2-6300
Pittsburgh 33, Pa, 1514 W North Ave Fairfax 1-4800
S San Francisco, Cal, E Grand Ave Plaza 5-5125
Metalab Equipment Co, Div of Norbute Corp, 270 Duffy Ave, Hicksville, L I, N Y WE 1-3100
Metallo Gasket Co, 16 Bethany St, New Brunswick, N J Kilmer 5-7223
Michigan Wire Cloth Co, 2100 Howard St, Detroit 16, Mich Tashmoo 6-6500
Mico Instrument Co, 77 N Trowbridge St, Cambridge 38, Mass KI 7-8660
Micro Switch Div, Minneapolis-Honeywell Regulator Co, 11 W Spring St, Freeport, Ill Adams 2-1122
Branches in all principal cities
Middlesex Paper Tube Co, Inc, 345 Chelmsford St, Lowell, Mass Glenview 7-7687
Midwest Piping Co Div, Crane Co, 1450 S 2 St, St Louis 4, Mo Main 1-8300
Atlanta 9, Ga, 72 11 St, NE Trinity 4-6114
Boston 27, Mass, 426 1 St Andrew 8-2110
Chicago 3, Ill, 79 W Monroe St Franklin 2-1868
Cleveland 11, O, 12160 Triskett Rd Winton 1-2722
Coral Gables 34, Fla, 2103 LeJeune Rd Highland 6-0158
Houston 24, Tex, 11329 Todd Rd Overland 2-0463
Los Angeles 33, Cal, 520 Anderson St Angelus 8-6733
N Y 6, 6 Church St Cortland 7-5213
Tulsa 3, Okla, 9 E 4 St, Suite 1016 Luther 4-1615
Franklin P Miller & Son, Inc, 33 Meadow St, E Orange 12, N J Orange 3-4522
Milton Roy Co, 1304 E Mermaid Lane, Phila 18, Pa Chestnut Hill 7-8000
Jersey City, N J, 1 Exchange Pl Henderson 2-4350
Monterray Park, Cal, 526 N Garfield Ave Cumberland 3-7674
San Carlos, Cal, 915 Terminal Bldg, Rm B Enterprise 1-1823
St Petersburg, Fla, P O Box 12169 Hemlock 7-1181
Mine Safety Appliances Co, 201 N Braddock Ave, Pittsburgh 8, Pa CH 1-5900
Branches in all principal cities
Minneapolis-Honeywell Regulator Co, Industrial Products Group, 7th & Grange Sts, Phila 44, Pa DA 9-8300
Branches in all principal cities
See also separate listing by division:
Micro-Switch Div
Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div, 900 Bush Ave, St Paul 6, Minn Prospect 6-8511
Atlanta 18, Ga, 732 Ashby St, NW Trinity 6-4401
(Boston) Newton Center 59, Mass, 1330 Centre St Decatur 2-9810
Bristol, Pa, Box 119 Windsor 5-2800
Buffalo 5, N Y, P O Box 2012 Bailey 5214
(Chicago) Bedford Park, Ill, 6850 S Harlem Ave, Argo P O Ludlow 5-7800
Cincinnati 37, O, 4837 Para Dr Elmhurst 1-2313
Cleveland 30, O, 12200 Brookpark Rd Clearwater 2-4300
Dallas 28, Tex, 2121 Santa Anna Ave Davis 7-7311
Detroit 2, Mich, 411 Piquette Ave Trinity 5-7111
Honolulu 14, Hawaii, 1410 Kapioloni Blvd
S San Francisco, Cal, 320 Shaw Rd Plaza 6-0800
Seattle 4, Wash, 3663 1 Ave, S Mutual 2-5550
Mission Mfg Co, 8760 Clay Rd & Hempstead Rd, Houston 14, Tex HO 2-3461
W K Mitchell & Co, Inc, 2940 Ellsworth St, Phila 46, Pa Dewey 4-0731
Mixing Equipment Co, Inc, 139 Mt Read Blvd, Rochester 3, N Y Idlewood 6-5550
N Y 6, 136 Liberty St Cortlandt 7-7015
Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y Virginia 9-2100
Mojonnier Bros Co, 4601 W Ohio St, Chicago 44, Ill ES 8-4300
Monarch Mfg Works, Inc, 2501 E Ontario St, Phila 34, Pa Regent 9-8209
Kenneth J Moore & Co, 1778 Estes Ave, Chicago 26, Ill Sheldrake 3-4727
Moore Products Co, H & Lycoming Sts, Phila 24, Pa Jefferson 3-3500
Atlanta 5, Ga, 3133 Maple Dr N E Cedar 3-4761
Bartow, Fla, 125 N Bway 533-4163
Bellevue, Wash, 604 104 Ave, NE Glencourt 4-5451
(Boston) Wellesley 81, Mass, 6 Abbott Rd Cedar 5-7350
Buffalo 23, N Y, 2000 Sheridan Dr TR 4-0422
Charlotte 9, N C, 2505 S Blvd Jackson 3-7355
Chicago 49, Ill, 1809 E 71 St Plaza 2-5748
Cleveland 17, O, 25000 Euclid Ave Andrews 1-2250
Detroit 20, Mich, 22750 Woodward Ave Lincoln 7-9515
Houston 23, Tex, 901 S 75 St Walnut 3-7686
Los Angeles 45, Cal, 6214 W Manchester Ave Spring 6-0260
Louisville 7, Ky, 131 Breckenridge Lane Twinbrook 5-9073
New Orleans 18, La, 3629 S Carrollton Ave Hunter 6-1771
N Y 17, 51 E 42 St Murray Hill 7-7965
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Fieldbrook 1-9000
Richmond 30, Va, 6211A, W Broad St Atlantic 2-3340
St Louis 35, Mo, 811 S Florissant Rd Jackson 1-1276
St Paul 4, Minn, Griggs-Midway Bldg Midway 6-4086
Morris Coupling & Clamp Co, P O Box 10, Kittanning, Pa Liberty 3-0601
Multi-Amp Electronic Corp, 61E Myrtle St, Cranford N J Bridge 6-8200
Multi-Metal Wire Cloth Co, Inc, 1350 Garrison Ave, N Y 59 Kilpatrick 2-2500
Munson Mill Machy Co, 210 Seaward Ave, Utica 4, N Y SW 7-0090
D J Murray Mfg Co, 1024 3 St, Wausau, Wis VI 5-3151
Myers Sherman Co, Streator, Ill 2-2176

N

N R C Equipment Corp, 160 Charlemont St, Newton 61, Mass Decatur 2-5800
Chicago 45, Ill, 3555 W Peterson Ave Irving 8-8687
Detroit 35, Mich, 32619 Grand River Ave, Farmington Greenleaf 6-3010
Palo Alto, Cal, 499 Hamilton St Davenport 6-3455
Pittsburgh 37, Pa, 7929 Perry Hwy Forest 4-2866
Nagle Pumps, Inc, 1200 Center Ave, Chicago, Ill Skyline 4-2940
(The) Naige Co, Inc, 75 Panorama Creek Ave, Rochester 2, N Y LU 6-8800
Narda Ultrasonics Corp, 202 Michael Dr, Syosset, N Y WA 1-7100
(The) Nash Engrg Co, S Norwalk, Conn Volunteer 6-3351
Nashville Electronics, Inc, 2950 Foster Creighton Dr, Nashville 4, Tenn AL 4-5576
National Airoil Burner Co, 1284 E Sedgley Ave, Phila 34, Pa Pioneer 3-5300
Houston 6, Tex, 2512 South Blvd Jackson 2-7070
National Can Corp, 3217 W 47 Pl, Chicago 32, Ill Frontier 6-2700
National Carbon Co, Div of Union Carbide Corp, 270 Park Ave, N Y LL 1-2345
Birmingham 1, Ala, 2900 Cahaba Tremont 9-4681
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Houston 27, Tex, 3839 W Alabama Mohawk 7-5641
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Pittsburgh 22, Pa, Oliver Bldg, Mellon Sq Express 1-3800
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
National Conveyors Co, Inc, 25 Industrial Ave, Fairview, Bergen County, N J Whitney 5-9136
National Cylinder Gas Div, Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill WH 4-3100
Branches in all principal cities
(The) National Drying Machy Co, Hancock St & Lehigh Ave, Phila 33, Pa Regent 9-4414
National Dust Collector Corp, 549 W Washington Blvd, Chicago 6, Ill DE 2-2444
National Engrg Co, 549 W Washington Blvd, Chicago 6, Ill State 2-6148
National Filter Media Corp, 1717 Dixwell Ave, New Haven, Conn Chestnut 8-5566
Atlanta, Ga, 990 Lindridge Dr, NE Cedar 7-2060
Chicago 30, Ill, 6034 N Cicero Ave Spring 7-1661
Houston 3, Tex, 1607 Jefferson Ave Capital 2-6992
Hudson, O, 277 Hartford Dr Olympic 3-6970
(Los Angeles) Alhambra, Cal, 20 S 1 St CU 3-2211
Salt Lake City 10, Utah Empire 3-5113
National Instrument Labs, Inc, 828 Evarts St N E, Washington 18, D C North 7-7582

►**NATIONAL MARINE SERVICE, INC,** 21 West St, N Y 6 Whitehall 3-8680
National Ultrasonic Corp, 111 Montgomery Ave, Irvington 11, N J Essex 1-0550
Neirad Industries, Inc, P O Box 295C, Saugatuck, Conn CA 7-0859
Neptune Meter Co, 19 W 50 St, N Y 20 Columbus 5-3994
Atlanta 18, Ga, 200 Permalume Pl NW Sycamore 4-8215
Boston 16, Mass, 250 Stuart St Hancock 6-9123
Chicago 24, Ill, 4048 W Taylor St Sacramento 2-4014
Dallas 7, Tex, 315 Cole St Riverside 1-4904
Denver 7, Colo, 3815 Forest St Dudley 8-1523
L I C 1, N Y, 22-22 Jackson Ave Stillwell 6-1116
Los Angeles 22, Cal, 5540 E Harbor St Raymond 3-4571
Louisville 17, Ky, 320 Eastern Pkwy Melrose 5-6389
N Kansas City 16, Mo, 25 W 15 St Grand 1-3345
(Phila) Bala-Cynwyd, Pa, 7 Bala Ave Trinity 7-6404
Portland 10, Ore, 2680 N W Thurman St Capitol 8-0131
(San Francisco) Millbrae, Cal, 101 Rollins Rd Oxford 7-4477
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa Davenport 9-4983
Nettco Corp, 85 Tileston St, Everett, Mass Dunkirk 7-0318
New England Lead Burning Co, Inc, 95 Baldwin Ave, Woburn, Mass WE 3-1940
Houston, Tex, 4600 Homestead Rd Orchard 3-2853
San Leandro, Cal, 1840 Williams St Neptune 8-5940
St Louis, Mo, 4975 Fyler Ave Hudson 1-0134
Whittier, Cal, 535 W Putnam Dr Raymond 3-6836
New Jersey Safety Equipment Co, 299 Park Ave, E Orange, N J OR 4-3446
New London Engrg Co, 1700 Division St, New London, Wis 1000
Newark Wire Cloth Co, 351 Verona Ave, Newark 4, N J Humboldt 3-7700
Newman-Green, Inc, 507 Interstate Rd, Addison, Ill Terrace 2-1000
Niagara Blower Co, 405 Lexington Ave, N Y 17 Oxford 7-6151
Buffalo, N Y, 673 Ontario St
Niagara Filters Div, American Mach & Metals, Inc, Niagara St, E Moline, Ill 755-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y C, 233 Bway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333 G St N W Republic 7-3875
Nooter Corp, 1418 S 3 St, St Louis 66, Mo Main 1-6000
Norcross Corp, 244 Newtonville Ave, Newton 58, Mass Decatur 2-3410
Haddonfield, N J, 211 Covered Bridge Rd Hazel 8-4161
Nordberg Mfg Co, 3073 S Chase Ave, Milwaukee 1, Wis Sheridan 4-2345
Cleveland 20, O, 3537 Lee Rd Wyoming 1-7713
Dallas 6, Tex, 143 Meadows Bldg Emerson 8-4644
Duluth, Minn, 600 Alworth Bldg Randolph 7-6077
Houston 2, Tex, 1811 Crawford St Capitol 4-1406
Minneapolis 1, Minn, 123 S 3 St Federal 8-8225
Mission, Kans, 5812 Roeland Dr
New Orleans 12, La, 124 Camp St Tulane 5192
N Y 17, 60 E 42 St Murray Hill 7-7666
Phoenix, Ariz, 4700 N Central Ave, Suite 313
St Louis 18, Mo, 3300 S 2 St Prospect 6-3050
San Francisco 7, Cal, 674 Harrison St Exbrook 2-3305

Washington 6, D C, 910 17 St NW
National 8-2343
(The) North American Mfg Co, 4455 E 71 St, Cleveland 5, O
Broadway 1-6000
Boston 60, Mass, 259 Walnut St (Newtonville)
Lasell 7-5979
Buffalo 16, N Y, 1441 Hertel Ave Export 2829
Chicago 40, Ill, 4554 N Bway Longbeach 1-4418
Cincinnati 27, O, 3610 West St (Mariemont)
Bramble 1-4191
Detroit 35, Mich, 18423 James Couzens Hwy
University 4-7191
Hammond, Ind, P O Box 2056 Tilden 4-6530
Indianapolis 8, Ind, 2213 N Meridian St
Walnut 6-4383
(Phila) Drexel Hill, Pa, 5100 State Rd
Clearbrook 9-1723
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd
Lehigh 1-0404
Plainfield, N J, Union Bldg, 9 Watchung Ave
Plainfield 6-6864
Salem, O, 657 E State St, P O Box 195
Edgewood 2-5870
Norton Co, 1 New Bond St, Worcester 6, Mass
Swift 8-2511
Chicago 32, Ill, 4737 S Christiana Ave
Lafayette 3-8700
Cleveland 3, O, 1306 E 55 St Henderson 1-9500
Detroit 8, Mich, 5805 Lincoln Ave Trinity 5-8991
Huntington Park, Cal, 5905 Pacific Blvd
Ludlow 2-8195
Indianapolis, Ind, 1301 W 16 St Melrose 7-2429
N Y C: Wisconsin 7-5791
Phila 44, Pa, 4732 Stenton Ave Davenport 9-4452
Pittsburgh 23, Pa, Butler Rd, Box 9548 Etna Branch
Hunter 6-7700
Santa Clara, Cal, 2555 Lafayette St
Cherry 3-7710
Teterboro, N J, Green & North Sts
Hasbrouck Hts: Atlas 8-1711
N Y C: Wisconsin 7-5791
Norwalk Co, Inc, 19 N Water St, S Norwalk, Conn
Temple 8-4766
Nu Steel Co, 1714 S Ashland Ave, Chicago 8, Ill
Haymarket 1-5760

O

OPW-Jordan Corp, 6013 Wiehe Rd, Cincinnati 13, O
Elmhurst 1-1352
O-T-M Corp, 7430 Katy Rd, Houston 7, Tex
OV 6-3781
New Orleans, La, 316 Clairborne Towers
Raymond 7721
Odessa, Tex, 3110 Blossom Lane
Federal 7-7596
Tulsa, Okla, 304-A Daniel Bldg Luthur 5-5182
Joseph Oat & Sons, Inc, 218 Quarry St, Phila 6, Pa
MA 7-2653
Ogden Filter Co, Inc, 4214 Santa Monica Blvd, Los Angeles 29, Cal
NO 2-2116
(The) Ohio Corrugating Co, 917 Roanoke Ave, Warren, O
Express 9-1849
(The) Ohio Injector Co, 200 Main St, Wadsworth, O
Federal 4-1531
Bala-Cynwyd, Pa, 1014 Barclay Bldg
Greenwood 7-7346
Houston 3, Tex, 2822 Canal St Capitol 8-7581
Los Angeles 23, Cal, 3045 E 12 St
Angeles 8-8818
N Y 36, 500 5 Ave Lackawanna 4-6193
San Francisco 4, Cal, 582 Market St
Garfield 1-1262
Tulsa 3, Okla, 829 Mayo Bldg Luther 5-9238
Oil Equipment Labs, Inc, 600 Pearl St, Elizabeth, N J
Elizabeth 4-3900
(The) Oilgear Co, 1560 W Pierce St, Milwaukee 4, Wis
Mitchell 5-6715
Buffalo, N Y, 610 Englewood Ave Amherst 0575
Chicago 44, Ill, 4754 W Washington Blvd
Austin 7-8649
Cincinnati 37, O, 1720 Section Rd
Redwood 1-5520
Cleveland 18, O, 3109 Mayfield Rd
Fairmount 1-7878
Elizabeth, N J, 570 N Broad St Elizabeth 2-0313
Houston 27, Tex, 4402 Richmond Ave
Madison 2-9348
Los Angeles 29, Cal, 5327 Santa Monica Blvd
Hollywood 5-3943
Seattle 4, Wash, 914 Arctic Bldg Main 2-7445
Villa Park, Ill, 53 E St Charles Browning 9-4650
(The) Okonite Co, Passaic, N J Prescott 7-0400
Branches in all principal cities
Old Dominion Iron & Steel Corp, Belle Isle 10, Richmond, Va
MI 8-4413
Olin Mathieson Chem Corp, Packaging Div, Forest Products Operations, P O Box 488, W Monroe, La
FA 5-5811
Chicago, Ill, 35 E Wacker Dr Dearborn 2-4820
Cincinnati 16, O, 220 W N Bend Rd
Poplar 1-4200
Clayton 5, Mo, Lyle Bldg, 7530 Forsyth Blvd
Volunteer 1-6400
Dallas 20, Tex, 10212 Denton Dr
Fleetwood 7-9371
Harlingen, Tex, 117 W Adam Garfield 3-5161
Joliet, Ill, P O Box 1111 Channahon 5311
Kansas City, Kans, 464 E Donovan Rd
Drexel 1-3100
New Orleans, La, 200 Carondelet
Express 1206
N Y 36, 530 5 Ave Yukon 6-9737
Owosso, Mich, Dowling Dr Saratoga 5-5191
St Louis 10, Mo, 4540 Swan Ave Jefferson 3-3020
Tampa, Fla, 28 & Adamo Dr, P O Box 5627
4-3923
Onan Div, Studebaker-Packard Corp, 2515 University Ave S E, Minneapolis 14, Minn Federal 2-1155
Orr & Sembower, Inc, Morgentown Rd, Reading, Pa
FR 5-4341
(The) Oster Mfg Co, 1340 E 289 St, Wickliffe, O
WH 3-3500
Owens-Illinois Glass Co, Owens-Ill Bldg, Madison Ave & St Clair, Toledo, O CH 2-6543
Oxy-Catalyst, Inc, 511 Old Lancaster Rd, Berwyn, Pa
Niagra 4-3200
Burbank, Cal, 3607 W Magnolia Victoria 9-5303

P

Pacific Pumping Co, 9203 San Leandro St, Oakland 3, Cal NE 2-5234
Dallas 7, Tex, 2033 Farrington St
Riverdale 8-6044
Denver, Colo, 15 & Wynkoop Sts
Acoma 2-3330
Los Angeles 22, Cal, 1020 S Atlantic Blvd
Angelus 8-3361
Portland, Ore, 527 N W Bway Capitol 8-2121
Seattle, Wash, 114 W Harrison Atwater 4-1424
Pacific Pumps, Inc, Div Dresser Industries, Inc, 5717 Bickett St, Huntington Park, Cal
Ludlow 8-2203
Atlanta 5, Ga, 3166 Maple Dr, NE
Cedar 3-4238
Baton Rouge, La, 3774 Government St Elgin 5-4898
Chicago 3, Ill, 79 W Monroe St Franklin 2-5712
Cleveland 3, O, 4500 Euclid Ave Endicott 1-3773
Houston, Tex, 1619 Ovid St Capitol 8-2339
N Y 17, 122 E 42 St Oxford 7-2800
Phila 3, Pa, 1612 Market St Locust 7-7073
San Francisco 5, Cal, 417 Market St Yukon 1-1175
Tulsa 12, Okla, 1358 Sheridan Ave Temple 6-2521
Pacific Transducer Corp, 11836 W Pico Blvd, Los Angeles 64, Cal Granite 8-1134
Pacific Tube Co, 5710 Smithway St, Los Angeles 22, Cal Raymond 3-1331
Packaging Products & Design Corp., 850 Frelinghuysen Ave, Newark, N J BI 2-7200
Buffalo, N Y EL 4-111
Charlotte, N C ED 2-7175
Dalton, Ga. BR 8-4054
Spartanburg, S C 585-3696
Packed Column Corp, 32 Church St, N Y 7
Worth 2-7240
Packless Metal Hose, Inc, 730-85 S Columbus Ave, Mt Vernon, N Y MO 8-3443
Page Steel & Wire Div, American Chain & Cable Co, 1 & River Sts, Monessen, Pa
Murry 4-4000
Atlanta 18, Ga, 1055 W Marietta St, NW
Sycamore 4-8826
Denver 16, Colo, 4555 E 46 Ave Fremont 7-8807
Detroit 34, Mich, 2401 E 7 Mile Rd
Twinbrook 1-8810
Houston 1, Tex, 630 McFarland St Walnut 3-2661
Melrose Park, Ill, 2040 N Hawthorne Ave
Gilmore 5-6600
N Y 17, 230 Park Avenue Murray Hill 6-8800
San Francisco 7, Cal, 890 Tennessee St
Mission 7-4640
Pall Corp, 30 Sea Cliff Ave, Glen Cove, N Y
Oriole 1-4000
Palo Lab Supplies, 408 W 16 St, N Y 11 AL 5-7700
Pangborn Corp, 520 Pangborn Blvd, Hagerstown, Md
Regent 9-3500
Paper Thermometer Co, Dept CW, 10 Stagg Dr, Natick, Mass Olympic 3-4021
Parker-Hannifin Corp, 17325 Euclid Ave, Cleveland 12, O
Boston (Wellesley Hills) Mass, 980 Worcester St
CE 7-0124
(Chicago) Des Plaines, Ill, 501 S Wolf Rd
VA 7-1171
Cincinnati 27, O, Mariemont Ctr Bldg BR 1-3603
Detroit 21, Mich, 10737 W McNichols Rd
DI 1-1885
Indianapolis 20, Ind, 6216 Carrollton Ave
CL 3-6929
(Los Angeles) Culver City, Cal, 10567 Jefferson Blvd UP 0-9344
N Y C (Emerson, N J) 19 Railroad Ave CO 1-5757
Phila 40, Pa, 3701 N Broad St BA 8-9312
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd
LE 1-7723
Springfield, Mass, 820 State St RE 6-0814
Parker Fittings & Hose Div
Parker Hydraulics Div
Parks-Cramer Co, Newport St, Fitchburg 27, Mass
Diamond 3-3796
Atlanta 1, Ga, P O Box 1355 Jackson 3-8709
Charlotte 1, N C, P O 10276 Edison 2-5002
Parr Instrument Co, 211 53 St, Moline, Ill 762-7716
Ralph M Parsons Co, 617 W 7 St, Los Angeles 17, Cal Madison 9-2484
(The) Partlow Corp, 257 Campion Rd, New Hartford, N Y Utica Swift 7-2222
(The) Patterson Foundry & Mach Co, 1250 St George St, E Liverpool, O Fulton 5-2400
(The) Patterson-Kelley Co, Inc, 801 Miller St, E Stroudsburg, Pa Hamilton 1-7500
Boston 16, Mass, 96-A Huntington Ave
Kenmore 6-1512
Milwaukee 16, Wis, 4003 W Capitol Dr
Uptown 3-7720
N Y 17, 101 Park Ave Murray Hill 3-8373
Oak Park, Ill, 6641 W North Ave
Estebrook 8-3026
Phila 3, Pa, 1700 Walnut St Pennypacker 5-4950
Peerless Pump, Hydrodynamics Div, Food Machy & Chem Corp, 301 W Ave 26, Los Angeles 31, Cal
Capitol 1-3151
Chicago 4, Ill, 53 W Jackson Blvd Wabash 2-1147
Cleveland 14, O, 815 Superior Ave, NE
Superior 1-7627
Decatur, Ga, 153 Grove Pl Crescent 2667
Detroit 2, Mich, 809 New Center Bldg
Trinity 2-4880
Fresno, Cal, 1755 Bway Adams 3-1241
Los Angeles 31, Cal, 301 W Ave 26
Capitol 1-3151
Lubbock, Tex, 2307 Clovis Rd Porter 3-1921
N Y 5, 37 Wall St Digby 4-4350
St Louis 7, Mo, 2850 N Grand Blvd
Olive 0802
Pelamay Products, 799 E 140 St, N Y 54 WY 3-9500
Penfield Mfg Co, 19 High School Ave, Meriden, Conn
Beverly 5-1694
Penn Controls, Inc, Goshen, Ind KE 3-2111
Cleveland 34, O, P O Box 8486 Edison 1-4145
Costa Mesa, Cal, P O Box 553 Kimberly 5-7131
Frederick, Md, P O Box 246 Monument 3-9461
Moline, Ill, 525 5 Ave Bldg 764-0014
Phila, Pa, P O Box 4771 Pioneer 4-4190
Pittsburgh 6, Pa, 5935 Kirkwood St
Emerson 2-0030
St Louis 15, Mo, P O Box 3622 Baden Station
Jefferson 1-4313
Pennsylvania Forge Div, Chemetron Corp, Milnor St, Phila 35, Pa MA 4-3666
Pennsylvania Pump & Compressor Co, Easton, Pa
BL 3-4276
(The) Perkin-Elmer Corp, Main Ave, Norwalk, Conn
Victor 7-0414
Atlanta, Ga, 3230 Peachtree Rd NE Cedar 7-6664
Houston 27, Tex, 4410 Richmond Ave
Madison 3-5533
La Grange, Ill, 1 N LaGrange Rd Fleetwood 4-1846
Monrovia, Cal, 348 W Foothill Blvd
Elliott 9-2549
Rocky River 16, O, 20575 Center Ridge Rd
Edison 1-4077
San Francisco 22, Cal, 1929 Irving St
Overland 1-8561
Silver Spring, Md, Bryan Bldg, 8055 13 St
Juniper 8-9111
Upper Darby, Pa, 113 Long Lane Flanders 2-7000
Perkin Electronics Corp, 345 Kansas St, El Segundo, Cal Spring 2-2171
Permacel, PO Box 671A, New Brunswick, N J
Charter 7-7900
Atlanta, Ga, 1080 Dill Ave S W, P O Box 267, Sta A Plaza 8-2651
Boston 16, Mass, 344 Park Sq Bldg
Hubbard 2-0898
Chicago, Ill, 222 W Adams St Dearborn 2-3588
Clayton 5, Mo, 10 S Brentwood Blvd
Parkview 7-0114
Cleveland 13, O, 1633 Illuminating Bldg, 55 Public Sq Tower 1-5871
Ferndale 20, Mich, 615 Livernois Ave
Lincoln 7-0200
Los Angeles 58, Cal, 4827 E 49 St
Ludlow 3-1041
N Y 7, 7 Dey St Worth 2-2340
San Francisco 3, Cal, 489 6 St Yukon 2-4742
Wynnewood, Pa, 7 Wynnewood Rd Trinity 8-5200
(The) Permutit Co, Div Pfaudler Permutit, Inc, 50 W 44 St, N Y 36 Oxford 7-6600
Branches in all principle cities
Perry Products Co, 1415 N 6 St, Phila 22, Pa
Poplar 3-3505
Petrocarb, Inc, 100 Church St, N Y 7 Cortland 7-8510
Pettibone Mulliken Corp, 4700 W Division St, Chicago 51, Ill Spaulding 2-9300
Atlanta 5, Ga, 3130 Maple Dr NE
Cedar 3-5480
Chicago, Ill, 141 W Jackson Blvd Wabash 2-4580
N Y C, 350 5 Ave LO 5-7667
Paramus, N J, 18 E Ridgewood Ave
Gilbert 4-2546
San Francisco, Cal, 593 Market St
1-7294
(The) Pfaudler Co, Div Pfaudler Permutit Inc, 1000 West Ave, Rochester 3, N Y Beverley 5-1080
(Albany) Delmar, N Y, 58 Delmar Pl
Hemlock 9-3180
Baton Rouge, La, 8150 Fla Blvd Walnut 4-4151
(Boston) Needham Hts 94, Mass, 50 Kearney Rd
Hillcrest 4-5450
Chattanooga 3, Tenn, 848 McCallie Ave
Amherst 6-4318
Chicago 2, Ill, 111 W Washington St State 2-2121
Cincinnati 6, O, 2320 Victory Pkwy Avon 1-6053
(Cleveland) Elyria, O, Taylor St Fairfax 3-3191
Denver 15, Colo, 1485 Holland St Belmont 7-2866
Detroit 1, Mich, 410 Francis Palms Bldg
Woodward 3-6846
Grand Rapids, Mich, B & G Terminal Bldg, 900 Monroe Ave, N W Glendale 8-3103
Hoboken, N J, 33 Newark St Oldfield 9-1933
N Y C: Barclay 7-4284
Houston 13, Tex, 4101 San Jacinto
Jackson 6-3289
(Los Angeles) Glendale 4, Cal, 302-B S Brand Blvd Chapman 5-5607
Miami Beach, Fla, 8827 Byron Ave Union 6-0046
Phila 4, Pa, 33 & Arch St Baring 2-7474
Pittsburgh 36, Pa, 4625 Clubvue Dr
Tuxedo 2-9073
(Portland) Oswego, Ore, 837 Ash St
Neptune 6-4424

St Louis 1, Mo, 260 Paul Brown Bldg Central 1-2889
San Francisco 3, Cal, 157 13 St Underhill 1-7061
Tulsa, Okla, 5129 E 27 Pl Luther 7-8922
(Washington, D C) Silver Spring, Md, 8605 Cameron St Juniper 9-3731

Philips Electronic Instruments, 750 S Fulton Ave, Mt Vernon, N Y Mount Vernon 4-4500
Atlanta 5, Ga, 3120 Maple Dr, NE Cedar 7-9452
Burlingame, Cal, 1299 Bayshore Hwy Diamond 3-3845
Chicago 41, Ill, 5535 W Montrose Ave Avenue 2-1414
Houston 27, Tex, 3230 Mercer St Jackson 8-5933

H A Phillips & Co, 3255 W Carroll Ave, Chicago 24, Ill Nevada 8-1116

Phys-Chem Research Corp, 40 E 12 St, N Y 3 Gramercy 5-0355

Pioneer Rubber Co, 2991 Tiffin Rd, Willard, O, 933-2211

Pittsburgh Corning Corp, 1 Gateway Ctr, Pittsburgh, Pa Court 1-2900
Atlanta, Ga, 1106 W Peachtree St NW Trinity 2-4402
Chicago 6, Ill, 205 W Wacker Dr Financial 6-2376
Houston 2, Tex, 1607 Jefferson Ave Capitol 7-1619
N Y 17, 579 5 Ave Murray Hill 8-8350
Phila 2, Pa, 225 S 15 St Kingsley 6-3510
(San Francisco) Orinda, Cal, 18 Camino Sobrante Clifford 4-2900

Pittsburgh-Des Moines Steel Co, Neville Island, Pittsburgh 25, Pa Federal 1-3000
Atlanta 5, Ga, 361 E Paces Ferry Rd NE Cedar 7-3779
Baltimore 26, Md, P O Box 3459, Curtis Bay Sta State 9-8000
Chicago 3, Ill, 688 Natl Bank Bldg State 2-2252
Dallas 1, Tex, Suite 1703, Southland Ctr Riverside 2-4524
Denver 2, Colo, 323 Railway Exchange Bldg Main 3-1018
Des Moines 8, Iowa, 1015 Tuttle St Cherry 3-3261
El Monte, Cal, P O Box 2012 Forest 0-2675
N Y 17, 200 E 42 St Murray Hill 7-4760
Newark 2, N J, 744 Broad St Market 3-6930
Provo, Utah, P O Box 310 Franklin 3-8150
Santa Clara, Cal, P O Box 329 Axminster 6-0868
Seattle 1, Wash, 500 Wall St Mutual 6878
Warren, Pa, P O Box 660 Randolph 3-7500

Plants Div, Blaw Knox Co, 300 6 Ave, Pittsburgh 22, Pa Express 1-1244

Plas-Tech Equipment Corp, 4 Mercer Rd, Natick Industrial Ctr, Natick, Mass Olympic 3-5740

Plax Corp, P O Box 1019, Hartford, Conn Chapel 2-6221
Anaheim, Cal, 611 E Cerritos Ave
(Chicago) Park Ridge, Ill, 911 Busse Hwy Talcott 5-2141
Cincinnati, Ohio, 1720 Section Rd Redwood 1-8124
N Y C, 1261 Ave of Americas, Time & Life Bldg
(Phila), Wynnewood, Pa, 7 Wynnewood Rd

Plibrico Co, 1820 N Kingsbury St, Chicago 14, Ill Lincoln 9-7014
N Y 36, 55 W 42 St Pennsylvania 6-1039

Podbielniak, Inc, 341 E Ohio St, Chicago 11, Ill SU 7-5000

Polyfab Co, 2855 W Ave 35, Los Angeles 65, Cal Clinton 7-8105

(The) Polymer Corp, 2120 Fairmount Ave, Reading, Pa Franklin 6-5791
(Chicago) Rolling Meadows, Ill, 1500 Hicks Rd Spring 5-2000
Cincinnati, O, 9505 Montgomery Rd Sycamore 1-0770
(Cleveland) Ravenna, O, 329 Chestnut St Prospect 1-3434
(Pittsburgh) Mars, Pa, Box 248 RD 2 Court 12117
Rutherford, N J, 19 Franklin Pl
Santa Ana, Cal, 3028 S Oak Rd Kimberly 5-1184
West Hartford, Conn, 967 Farmington Ave Adams 2-1716

H K Porter Co, Inc, Forge & Fittings Div, P O Box 95, Roselle, N J Chestnut 1-1600
Thermoid Div, 200 Whitehead Rd, Trenton, N J JU 7-3000

Posey Iron Works, Inc, 558 S Prince St, Lancaster, Pa Express 7-5211
N Y 17, 2534 Graybar Bldg, 420 Lexington Ave Murray Hill 3-9480

Potter Aeronautical Corp, Rte 22, Union, N J Murdock 6-3010
Carmichael, Cal, 5738 Marconi Ave Ivanhoe 7-6858
Calabasas, Cal, 23917 Craftsman Rd Diamond 0-4014
Dayton 10, O, 3898 Linden Ave Clearwater 6-0171
Malibu, Cal, P O Box 37 Globe 6-2058
San Mateo, Cal, 2023 Kings Lane Fireside 5-0571
Tulsa, Okla, 1341 S Boston Ave Luther 2-5535

Horace T Potts Co, See Speedline Fittings Div

(The) Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, O Dunbar 1-4600
Chicago 6, Ill, 205 W Wacker Dr Financial 6-2550
Cleveland 15, O, 1044 Hanna Bldg Prospect 1-7735
Houston 27, Tex, 3214 Mercer St
Los Angeles 5, Cal, 3540 Wilshire Blvd
N Y 7, 50 Church St Beekman 3-7242

Portland 4, Ore, 317 Builder's Exch Bldg Capitol 8-6443
St Louis 8, Mo, 4053 Lindell Blvd Jefferson 5-6640
St Paul 14, Minn, 2147 University Ave Midway 5-3909
San Francisco 5, Cal, 461 Market St Exbrook 2-2704

Prater Pulverizer Co, 1514 S 55 Ct, Chicago 50, Ill Olympic 2-6200

Precision Distillation Apparatus Co, 2823B Santa Monica Blvd, P O Box 1226, Santa Monica, Cal Exbrook 3-5703

Precision Thermometer & Instrument Co, 1436 Brandywine St, Phila 30, Pa Locust 3-6671

Precision Valve Corp, 700 Nepperhan Ave, Yonkers, 3, N Y Yonkers 9-6500

Pressed Steel Tank Co, 1448 S 66 St, Milwaukee 14, Wis Greenfield 6-0500
Atlanta 9, Ga, 936 W Peachtree St, NW Trinity 4-1063
Chicago, Ill, 6634 N Western Ave Sheldrake 3-3367
Clifton, N J, 1199 Main Ave Prescott 3-3316
Columbus 14, O, 1225 High Long Bldg Capital 4-4336
Detroit 23, Mich, 14610 Rosemont Rd Vermont 7-587
Downingtown, Pa, 142 Wallace Ave Andrews 9-2250
Los Angeles, Cal, 5327 Santa Monica Blvd, Rm 22 Hollywood 5-2912
Marshfield, Mass, 107 Riverside Circle Temple 4-7172
Milwaukee, Wis, 1448 S 66 St Greenfield 6-0500

Pressure Products Industries, 412 S Warminster Rd, Hatboro, Pa Osborne 5-1600

(The) Prime-Mover Co, Hwy 22, E, Muscatine, Iowa Amherst 3-1761

J F Pritchard & Co of Cal, 4625 Roanoke Pkwy, Kansas City 12, Mo

Process Engrg & Machine Co, 444 York St, Elizabeth, N J 4-9222

Procon Ind, 1111 Mt Prospect Rd, Des Plaines, Ill Vanderbilt 4-3171

Proctor & Schwartz, Inc, 7 St & Tabor Rd, Phila 20, Pa Davenport 9-6400
Anaheim, Cal, 440 Colorado St Jackson 7-6331
Atlanta 5, Ga, 3272 Peachtree Rd, NE Cedar 7-8825
Glenview, Ill, 600 Waukegan Rd Park 4-5570

Productive Equipment Corp, 2926-8 W Lake St, Chicago 12, Ill Nevada 8-6701
Branches in all principal cities

Protective Lining Corp, 601 39 St, Brooklyn 32, N Y Ulster 4-3838

Pulva Corp, 614 High St, Perth Amboy, N J VA 6-3450

Pulverizing Machy Co, Div American-Marietta Co, 33 Chatham Rd, Summit, N J Crestview 3-6360

Pyrometer Co of America, Inc, 602 Lincoln Hwy, Penndel, Pa Skyline 7-3704
Long Beach, Cal, 2038 W 16 St Hemlock 2-6667

Pyrometer Instrument Co, Inc, 92 Portland Ave, Bergenfield, N J Dumont 4-5140

Pyronics, Inc, 17700 Miles Ave, Cleveland 28, O Montrose 2-8800

Q

Quincy Compressor Co, 217 Maine St, Quincy, Ill Baldwin 2-7700
Chicago 7, Ill, 1138-40 W Washington Blvd Taylor 9-3090
Cincinnati 6, O, 2863 Stanton Ave Woodburn 1-1084
Dallas 18, Tex, 9617 Shadydale Lane Hamilton 8-5505
Detroit 35, Mich, 18051 James Couzens Hwy Diamond 1-1364
Houston 34, Tex, 9260 Bryant St Hudson 6-1973
Minneapolis 4, Minn, 3020 E Franklin Ave Federal 9-1594
N Y 7, 30 Church St, Rm 507 Rector 2-3568
Primos (Del Co) Pa, Providence Rd & Mildred Ave Madison 3-1760
St Louis 3, Mo, 2647 Washington Blvd Jefferson 1-4952

R

R C Can Co, 9436 Page Ave, St Louis 32, Mo Hawthorne 7-1111
Arlington, Tex, 845 Ave G East Crestview 4-8191
Atlanta, Ga, 660 Murphy Ave Plaza 3-6062
East Greenville, Pa, State Rd Box 32 Orleans 9-9582
Elk Grove, Ill, 2000 Pratt Blvd Hempstead 9-0300
Hawthorne, Cal, 12530 Yukon Osborn 6-2273
Memphis, Tenn, 1440 Ragan St Whitehall 2-2492
New Albany, Ind, 3303 Grant Line Rd Whitehall 5-0224
Rittman, O, 40 N Industrial St 925-1040
Turner, Kans, PO Box 185 Atlantic 9-7020

R K L Controls, Inc, 500 Halnesport, N J Amherst 7-2800

Radcor, Inc, Subs of Edwin L Wiegand Co, Bradner, O Churchill 2-6400

Ransburg Electro-Coating Corp, Box 23122 CW, Indianapolis 23, Ind AX 1-6330

Rapids Machy Co, Inc, 853 11 St, Marion, Iowa Drake 7-0280

(The) Rapids-Standard Co, Inc, 850 Rapistan Bldg, Grand Rapids 2, Mich GL 9-0281
Branches in all principal cities

Ray Oil Burner Co, 1301 San Jose Ave, San Francisco, Cal Delaware 3-5800
Jersey City, N J, 629 Grove St Oldfield 3-2561

Raybestos-Manhattan, Inc, 61 Willett St, Passaic, N J Gregory 3-2000
Birmingham 1, Ala, 1108 N 5 Ave Alpine 1-5272
Chicago 31, Ill, 6010 Northwest Hwy Rodney 3-2400
Dallas, Tex, 2809 Taylor St Riverside 1-5446
Denver, Colo, 4500 York St Acoma 2-8264
Houston, Tex, 3012 Canal St Capitol 2-9951
Los Angeles 58, Cal, 4651 Pacific Blvd Ludlow 8-4251
Minneapolis 16, Minn, 6113 Excelsior Blvd West 9-7007
New Orleans, La, 1523 St Ferdinand St Whitehall 7-5509
Phila 3, Pa, 1138 Suburban Sta Bldg Rittenhouse 6-8310
Pittsburgh 16, Pa, 2831 Banksville Rd Locust 3-6700
San Francisco 5, Cal, 131 Mission St Yukon 6-6114
S San Francisco, Cal, 168 Beacon St Plaza 6-6981

Raymond Bag Corp, Tytus Ave & Enoch Dr, Middletown, O Garden 2-5461
Baltimore, Md, 32 South St Mulberry 5-5060
Chicago 6, Ill, 400 W Madison St Central 6-5593
Kansas City 6, Mo, 1015 Walnut St, Rm 300 Baltimore 1-7830
N Y 6, 21 West St Hanover 2-4645
Richmond, Va, P O Box 2189

(The) Raymond Corp, 154 Madison St, Greene, N Y 202

Raytheon Co, 1415 Boston-Providence Hwy, Norwood, Mass 7-6700

Read Standard Div, Capitol Products Corp, York, Pa York 8-2891

Ready Made Sign Co, Inc, 115 Worth St, N Y 13 Worth 4-3990

Red Jacket Co, Inc, 5001 Bell Ave, Carnegie, Pa WA 1-1202

Reeve Electronics, Inc, 609 W Lake St, Chicago 6, Ill Randolph 6-9755

Reliance Elec & Engrg Co, 24701 Euclid Ave, Cleveland 17, O Redwood 2-7000
Branches in all principal cities

Reliance Plastic & Chem Corp, 111 Kearney St, Paterson 26, N J Sherwood 2-7004

Edw Renneburg & Sons Co, 2639 Boston St, Baltimore 24, Md Peabody 2-1665

Republic Flow Meters Co, Subs of Rockwell Mfg Co, 2240 Diversey St, Chicago 47, Ill Brunswick 8-6000
Atlanta 1, Ga, P O Box 1297 Murray 8-7692
Birmingham 98, Ala, 906 Euclid Ave
Boston 10, Mass, 201 Devonshire St Hancock 6-4728
Buffalo 2, N Y, 1006 Prudential Madison 6530
Charleston 3, W Va, 513 Ford St DI 6-5363
Charlotte 2, N C, 127 W 7 St FR 5-6597
Cincinnati 8, O, 3197 Linwood Ave East 1-6817
Detroit 23, Mich, 18230 Grand River Ave Broadway 3-6440
Houston 25, Tex, 2426 W Holcombe Blvd MO 4-3447
L I C 1, N Y, 26-09 Jackson Ave Stillwell 6-6119
New Orleans 25, La, 4010 Eden St UN 1-7061
(Phila) Ardmore, Pa, 308 Suburban Sq Bldg MI 2-8630
Pittsburgh 22, Pa, Investment Bldg Court 1-6855
St Louis 17, Mo, 1133 Brentwood Blvd Parkview 7-3204
San Francisco 11, Cal, 420 Market St Yukon 2-1072
(Seattle) Bellevue, Wash, P O Box 229 Main 5260

Republic Mfg Co, 15655 Brookpark Rd, Cleveland 35, O Clearwater 2-1800
Van Nuys, Cal, 15844 Strathern St

Republic Rubber Div, Lee Rubber & Tire Corp, Albert St, Youngstown 1, O Riverside 3-2131
Chicago, Ill, 549 W Washington Blvd State 2-6350
Detroit, Mich, 807 New Center Bldg Trinity 5-2068
Houston, Tex, 1815 Franklin St Capitol 4-9518
N Y 6, 141 Bway, Rm 1305
Phila, Pa, 22 & Race Sts Locust 3-6053

Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio Prospect 1-1400
Birmingham 2, Ala, 1 Ave & 20 St AL 1-3281
Boston 16, Mass, 250 Stuart St Liberty 2-3641
Buffalo 3, N Y, 14 Lafayette Sq Madison 5760
Chicago 4, Ill, 322 S Michigan Ave Wabash 2-3279
Cincinnati 2, O, 5 & Vine Sts Parkway 1-3801
Denver 2, Colo, 1755 Glenarm Pl Main 3-5289
Detroit 2, Mich, 2008 Fisher Bldg Trinity 5-9300

Houston 2, Tex, Niels Esperson Bldg Capitol 2-0182
Indianapolis 4, Ind, 5 E Market St Melrose 2-5386
Los Angeles 17, Cal, 612 S Flower St Michigan 5144
N Y 17, 405 Lexington Ave Oxford 7-9500
Phila 3, Pa, 1617 Penna Blvd Rittenhouse 6-8900
Pittsburgh 22, Pa, 537 Mellon Sq Grant 1-2425
St Louis 3, Mo, 1221 Locust St Chestnut 1-8165
Seattle 1, Wash, 6636 White-Henry-Stuart Bldg Main 8583
Tulsa 3, Okla, 5 & Boston Sts Diamond 3-6263
Warren, O, 1040 Pine Ave SW 2251-1
Washington, D C, 1625 K St NW National 8-5990

Steel & Tubes Div, 208 E 131 St, Cleveland 8, O Glenville 1-2700
Birmingham 13, Ala, P O Box 7587 3-3281
Boston 16, Mass, 250 Stuart St Liberty 2-3622
Buffalo 3, N Y, Rand Bldg Madison 5760
Chicago 4, Ill, McCormick Bldg Wabash 2-3279
Cincinnati 2, O, Carew Tower Main 1-3965
Denver 2, Colo, Denver Club Bldg Main 3-5289
Detroit 20, Mich, 965 Wanda Ave (Ferndale) Jordan 4-6540
Houston 2, Tex, Houston Club Bldg Capital 0182
Indianapolis 4, Ind, Circle Tower Bldg Melrose 2-5386
Kansas City 5, Mo, Fairfax Bldg Harrison 1-1195
Los Angeles 58, Cal, 2900 E 44 St Ludlow 2-6276
Milwaukee 2, Wis, First Wis Natl Bank Bldg Broadway 1-4677
N Y 17, Chrysler Bldg OX 7-9500
Phila 3, Pa, Suburban Sta Bldg Rittenhouse 6-8900
St Louis 3, Mo, Shell Bldg Chestnut 1-8165
St Paul 1, Minn, First Natl Bank Bldg Capitol 7-6531
San Francisco 5, Cal, Rialto Bldg Exbrook 7-4786
Seattle 1, Wash, White-Henry-Stuart Bldg Main 8583

Resdel Corp, Dept 323, PO Box 217, Rio Grande, N J 522-5643

Research-Cottrell, Inc, Bound Brook, N J Elliot 6-2600
Chicago 1, Ill, 228 N La Salle St Franklin 2-4546
N Y 17, 405 Lexington Ave Yukon 6-6622
Pittsburgh 19, Pa, Grant Bldg Atlantic 1-3773
San Francisco 8, Cal, 600 California St Yukon 2-3852

Resistoflex Corp, Roseland, N J Capitol 6-7700
Anaheim, Cal, 301 N Crescent Way Prospect 2-4700
Atlanta 5, Ga, 3230 Peachtree Rd NE Cedar 7-0658
Bryn Mawr, Pa, 830 Lancaster Ave Lawrence 5-6159
Camillus, N Y, 830 Terrace Way Harrison 2-2283
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8243
Cleveland 16, O, 19615 W Lake Rd Edison 1-1170
Dallas 7, Tex, 135 Glass St Riverside 2-2396
Dayton 19, O, 53 Park Ave Axminister 3-1796
Houston, Tex, 724 Friar Tuck Jackson 2-1246
Kansas City 15, Mo, 9729 Manor Rd Niagara 2-6843

Revere Copper & Brass Inc, 230 Park Ave, N Y 17 Yukon 6-3100
Atlanta 18, Ga, 1310 Ellsworth Industrial Dr, N W Sycamore 4-7628
Boston 16, Mass, 108 Arlington St Hubbard 2-7190
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 7616
Cincinnati 8, O, Sta O, Box 26 Trinity 1-1232
Cleveland 7, O, 14700 Detroit Ave Lakewood 1-2440
Cranston 10, R I, 30 Midway Rd Stuart 1-5253
Dallas 35, Tex, 8320 Chancellor Row, P O Box 35247 Fleetwood 7-4058
Dayton 5, O, 4217 N Main St Crestview 4-2187
Denver 4, Colo, 1219 California St Alpine 5-2066
Grand Rapids 2, Mich, Keeler Bldg Glendale 9-3301
Houston 4, Tex, 3101 Fannin St Jackson 9-3723
Indianapolis 20, Ind, 665 E 61 St Clifford 1-4505
Kansas City 11, Mo, 34 St & Bway Logan 1-8403
Milwaukee 2, Wis, 828 N Bway Broadway 1-1440
Minneapolis 27, Minn, 5620 W Bway Kellogg 7-3639
New Orleans 12, La, 923 Howard Ave Jackson 5-4259
N Y 17, 75 E 45 St Murray Hill 9-6800
Newington 11, Conn, 81 Market Sq Mohawk 6-2491
Pittsburgh 28, Pa, 666 Washington Rd Locust 1-8606
Rochester 4, N Y, 31 Gibbs St Baker 5-6540
St Louis 8, Mo, 3615 Olive St Jefferson 1-0300
San Francisco 11, Cal, World Trade Center Sutter 1-0282
Seattle 9, Wash, 314 Fairview Ave N Main 1401
Wynnewood, Pa, 1 Wynnewood Rd Greenwood 7-8326

Revolvator Co, 2098 86 St, N Bergen, N J Union 9-1220

Rheem Mfg Co, 1701 W Edgar Rd, Linden, N J Hunter 6-5400

Richardson Scale Co, 668 Van Houten Ave, Clifton, N J Gregory 1-3400
Atlanta 3, Ga, 423 Grant Bldg Jackson 2-3238
Camillus, N Y, P O Box 483 Hunter 8-5056
Cincinnati 37, O, Roger Bldg, Rm 110, 1720 Section Rd Jefferson 1-2824
Denver 21, Colo, 7669 Elmwood Lane Harrison 9-8875
Havertown, Pa, 11 Park Rd, P O Box 602 Hilltop 6-1308
Houston 25, Tex, 2425 W Holcombe Mohawk 5-3978
La Grange, Ill, P O Box 368, 15 N Waiola Ave Fleetwood 2-7676
Memphis, Tenn, Rm 115, Century Bldg, 3294 Poplar Ave Fairfax 7-5550
Minneapolis 1, Minn, 133 W Island Ave Federal 9-0317
Omaha 11, Neb, 4923 N 30 St Pleasant 3599
San Carlos, Cal, 1369 Laurel St Lytell 1-2422
W Boylston, Mass, P O Box 355 Temple 5-4084
Wichita 2, Kans, 1419 E Central Ave Amherst 2-6381

Rietz Mfg Co, 150 Todd Rd, Santa Rosa, Cal Liberty 5-2573
Chicago 26, Ill, 7001 N Clark St Rogers Park 4-4911
Houston 19, Tex, Box 13291 Jackson 2-0958
Seattle 7, Wash, 7336 17 Ave N W Sunset 3-9344
West Chester, Pa, Box 690, 939 S Matlack Rd Owned 6-6313

Riley Stoker Corp, 9 Neponset St, Worcester, Mass Pleasant 6-7111
Boston 10, Mass Liberty 2-1988
Charlotte 4, N C, 309 Cole Bldg Edison 3-8849
Chicago 1, Ill, Prudential Plaza Mohawk 4-0636
Cleveland 14, O, 857 Leader Bldg Main 1-2051
Detroit 7, Mich, 101 Walker St Lorain 7-1114
Jacksonville, Fla, 1723 Prudential Bldg Exbrook 8-5251
New Orleans 24, La, 5534 Canal Blvd Hunter 2-6962
N Y 16, 30 E 40 St Murray Hill 3-8693
Phila 7, Pa, 12 S 12 St Market 7-3000
Pittsburgh 19, Pa, 2511 Grant Bldg Express 1-1535
Syracuse, N Y, 472 S Salina St Harrison 2-1702

Risdon Mfg Co, Naugatuck, Conn Park 9-8231
Chicago, Lincoln Office Bldg, 5875 N Lincoln Ave Long Beach 1-9816
NYC: Rector 2-6775

Robbins & Myers, Inc, 1345 Lagonda Ave, Springfield, O Fairfax 3-6461
Chicago 41, Ill, 5517 W Montrose Ave Spring 7-8970
Cleveland 15, O, 3030 Euclid Ave Endicott 1-5510
Los Angeles, Cal, 7755 Paramount Blvd
N Y 7, 57 Murray St Beekman 3-0331
(Phila) Upper Darby, Pa, 8418 W Chester Pike Sherwood 7-7938

(The) Roberts Toledo Rubber Co, 4143 Monroe St, Toledo 13, O Cherry 1-7155

(The) Robinson Clay Product Co, 65 W State St, Akron 9, O PO 2-8601
Albany 4, N Y, 1357 Bway 3-4139
Baltimore 2, Md, 1546 Mathieson Bldg Mulberry 5-2930
Boston 34, Mass, 22 Pratt St, Alston Sta ST 2-8900
Buffalo 10, N Y, 1146 Seneca St TR 3082
Caldwell Township, N J, Kulick Rd Capital 6-8800
Chicago 46, Ill, 7100 N Leigh Ave Edgebrook Sta NE 1-5700
East Hartford 8, Conn, 170 Tolland St BU 9-4389
Indianapolis 7, Ind, 1013-15 E 21 St WA 3-1507
(N Y C) Jamaica, L I, N Y, 107-10 180 St, P O Box 589 RE 9-7100
(Phila) Pottstown, Pa, P O Box FA 6-1310
Rochester 11, N Y, 609 Buffalo Rd BE 5-6990
Syracuse 3, N Y, 534 Spencer St HA 2-9226
Yonkers, N Y, 1013 Saw Mill River Rd Yonkers 8-7762

Robinson Pneumatic Conveyor Systems, Div Morse Boulger, Inc, 80 5 Ave, N Y 11 Watkins 9-8000

Rockwell Mfg Co, 400 N Lexington Ave, Dept 1, Pittsburgh 8, Pa Churchill 1-8400
Atlanta 1, Ga, 1495 Northside Dr N W Trinity 6-2691
(Boston) Needham 92, Mass, 1233 Highland Ave Hillcrest 4-0035
Charlotte 2, N C, 1311 Wachovia Bank Bldg Edison 4-6466
Chicago 3, Ill, 122 S Michigan Ave, Rm 1824 Harrison 7-7821
Dallas, Tex, 738 Mercantile Continental Bldg Riverside 7-2559
Denver 2, Colo, Tower Bldg, 1700 Bway Main 3-0278
Detroit 26, Mich, 1660 First Natl Bldg Woodward 2-1125
El Paso, Tex, Room 615, First Natl Bank Bldg Keystone 3-6889
Houston 3, Tex, 1102 Delano St, P O Box 2126 Capital 8-9641
Los Angeles 23, Cal, 3136 E 11 St Angelus 1-6107
New Orleans 24, La, 5534 Canal Blvd Hunter 2-5708
N Y 1, 7701 Empire State Bldg Longacre 5-4830
N Kansas City 16, Mo, 1249 Burlington St Grand 1-4747
(Phila) Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-0940
San Francisco 5, Cal, 525 Market St Garfield 1-0071
Seattle 99, Wash, 119 W Denny Way Atwater 4-8320
Shreveport, La, 317 Ricou-Brewster Bldg 3-1535
Tulsa 1, Okla, 3130 Charles Page Blvd Luther 7-5144

W S Rockwell Co, 200 Eliot St, Fairfield, Conn Clearwater 9-1621
Rodney Hunt Mach Co, 178 Vale St, Orange, Mass Kingsdale 4-2511

Ronningen-Petter Co, 3800 S 27 St, Vicksburg 1, Mich Midway 9-5911

Roots-Connersville Blower, Div Dresser Industries Inc, 932 W Mount St, Connersville, Ind 1500
Atlanta 5, Ga, 3166 Maple Dr, N E, Rm 212-214 Cedar 7-0403
(Boston) Needham 92, Mass, 945 Great Plain Ave Hillcrest 4-2322
Chicago 26, Ill, 1737 W Howard St, Rm 416 Briargate 4-5113
Cincinnati 24, O, 5912 Hamilton Ave, P O Box 147 Liberty 2-4524
Cleveland 15, O, 1900 Euclid Ave, Rm 601 Prospect 1-8386
(Detroit) Birmingham, Mich, 1920 E Lincoln St Midwest 6-7240
Houston 10, Tex, 1619 Ovid St Capitol 8-2331
Los Angeles 58, Cal, 5120 Pacific Blvd Ludlow 3-1361
N Y 17, 122 E 42 St Oxford 7-2800
(Phila) Haverford, Pa, 357 Lancaster Ave, P O Box 506 Midway 2-4638
Pittsburgh 19, Pa, Grant Bldg, Rm 2411 Atlantic 1-5571
San Francisco 5, Cal, 417 Market St Yukon 1-0687

Charles Ross & Son Co, Inc, 150 Classon Ave, Bklyn 5, N Y Main 2-8400

Rotherm Engrg Co, Inc, 7280 W Devon Ave, Chicago 31, Ill Newcastle 1-9292

Rotron Mfg Co, 1 C Hasbrouck Lane, Woodstock, N Y Oriole 9-2401
Glendale, Cal, 6915 San Fernando Rd Victoria 9-3712

W G Rovang & Assoc, 1945 N Columbia Blvd, Portland, Ore BU 5-4527

Ralph V Rulon, Inc, 3900 N 2 St, Phila 40, Pa Baldwin 9-4554

(The) Russell Mfg Co, 400 E Main St, Middletown, Conn Diamond 6-7721
Atlanta, Ga, 966 Marietta St, N W Trinity 4-7415
Canton 8, O, 2912 Parkridge Dr NW Glendale 5-1326
Chicago, Ill, 549 E Illinois St Delaware 7-5666
Irvington, N J, 435 14 Ave Essex 1-1114
Oakland, Cal, 555 5 Ave Glen Court 2-2208

(The) Ruthman Machy Co, 1809-19 Reading Rd, Cincinnati 2, O Main 1-5462

S

S I Handling Systems, Inc, Belview Rd, Phillipsburg, N J GL 4-8538
N Y 17, 420 Lexington Ave Murray Hill 9-5653

SKF Industries, Inc, Front St & Erie Ave, Phila 32, Pa Garfield 6-6400
Branches in all principal cities

(The) Sabin Mach Co, 6536 Carnegie Ave, Cleveland 3, O Henderson 1-3321

St Regis Paper Co, 150 E 42 St, N Y 17 Oxford 7-4400
Branches in all principal cities

J A Samuel & Co, Inc, 165 Bway, N Y 6 Cortlandt 7-4567

Sandvik Steel Inc, 1702 Nevins Rd, Fairlawn, N J SW 7-6200
Cleveland 29, O, 8650 Brookpark Rd ON 1-3205
Detroit 27, Mich, 14131 Puritan Ave BR 3-8474
Los Angeles 22, Cal, 3338 S Malt Ave RA 3-9116
Skokie, Ill, 7520 N Long Ave JU 3-3388

Sarco Co, Inc, 635 Madison Ave, N Y 22 Plaza 8-2500
Chicago 41, Ill, 3209 N Lamon Ave Kildare 5-5415
L I C, N Y, 40-28 30 St Stillwell 6-3130
Newark 2, N J, 1175 Broad St Bigelow 2-2400
St Louis 30, Mo, 302 Connor Bldg, 6625 Delmar Blvd Parkview 5-3540
San Francisco 24, Cal, 1485 Bayshore Blvd Juniper 6-1917
Washington 6, D C, 923 Dupont Circle Bldg Columbia 5-4324

Schade Valve Mfg Co, 2529 N Bodine St, Phila 33, Pa Garfield 5-0300

Fred H Schaub Engrg Co, 5300 Belmont Rd, Downers Grove, Ill Woodland 9-4000

Claude B Schneible Co, P O Box 296, Roosevelt Pk Annex Tashmoo 5-7772

Schori Process Corp, 35 Sagmore Hill Dr, Manorhaven, Port Washington, N Y 7-9280

A Schrader's Son Div, Scovill Mfg Co, Inc, 470 Vanderbilt Ave, Bklyn, N Y Nevins 8-4000

Schramm, Inc, 885 E Virginia Ave, West Chester, Pa Owned 6-2500
Chicago 39, Ill, 5550 W North Ave Tuxedo 9-4412
N Y 6, 90 West St Cortlandt 7-0640
Washington 7, D C, 1254 23 St, NW Federal 3-7280

Schutte & Koerting Co, Cornwells Hts, Bucks Co, Pa Mercury 9-0900
Buffalo 23, N Y, P O Box 2365 TR 6-1450
(Chicago) Oak Park, Ill, P O Box 1098 Austin 7-6239
Houston 25, Tex, P O Box 20033 Madison 3-1252
Rutherford, N J, 13-15 Orient Way Webster 3-5566

Scientific Design Co, 2 Park Ave, N Y 6 Murray Hill 6-3176

Schuyler Mfg Corp, 83 Porete Ave, North Arlington, N J Wyman 1-2094

(The) Schwarzenbach Huber Co, 470 4 Ave, N Y 16 Murray Hill 9-7600

Scientific Glass Apparatus Co, Inc, 125 Lakewood Terr, Bloomfield, N J Pilgrim 3-2200
Albany, N Y, 1547 Central Ave Union 9-9141
Boston, Mass, 755 Boylston St Kenmore 6-7594

Elk Grove Village, Ill, 2375 Pratt Blvd Hempstead 9-2500
Phila, Pa, 5315 Chester Ave Saratoga 4-1313
Silver Spring, Md, 9419 Georgia Ave Juniper 7-7050

Scintilla Div, Bendix Aviation Corp, Sidney, N Y Lowell 3-9511
Burbank, Cal, 117 E Providencia Ave Thornwall 5-1571
Chicago 34, Ill, 4104 N Harlem Ave Gladstone 6-4031
Dallas 35, Tex, 2608 Inwood Road Fleetwood 2-2150
Orlando, Fla, 2122 A E Colonial Dr Cherry 1-6559
Seattle 8, Wash, 8425 1 Ave S Parkway 5-9100
Teaneck, N J, 545 Cedar Lane Teaneck 6-5221
Washington 6, D C, 1730 K St, NW Federal 3-8200

Ernest Scott & Co, Inc, P O Box 82, 767 Pleasant St, Fall River, Mass Osborne 7-9841

Scott Aviation Corp, 207 Erie St, Lancaster, N Y NT 3-5100
Studio City, Cal, 13273 Ventura Blvd State 4-3046

Seaguist Mfg Corp, 1 St, Cary, Ill Mercury 9-7533

Sealol, Inc, 560 Post Rd, Providence 5, R I Stuart 1-4700
Cleveland, O, 13305 Union Ave Washington 1-7234
Dayton 9, O, P O Box 2122 Yorktown 3009
Detroit 36, Mich, 18401 E Warren Ave Tuxedo 2-3011
Houston, Tex, 710 Mimosa, Pasadena Greenwood 2-2318
N Y 4, 11 Bway Whitehall 3-7936
Phila, Pa, P O Box 121, Lansdowne Chester 2-2226
San Francisco, Cal, P O 994, San Mateo Fireside 1-8130

Seederer-Kohlbusch, Inc, 21 S Van Brunt St, Englewood, N J Lowell 8-8900

Selas Corp of America, 1000 Dreshertown Rd, Dresher, Pa Mitchell 6-6600
Chicago 24, Ill, 3857 W Washington Blvd Van Buren 6-5443
Cleveland 24, O, 6025 Mayfield Rd Hillcrest 2-6655
Dayton 2, O, 333 W 1 St Baldwin 8-9002
Detroit 2, Mich, 334 Lexington Bldg Trinity 5-1221
(Hartford) Bloomfield, Conn, 860 Park Ave Chapel 2-2342
Houston 7, Tex, 8312 Hempstead Rd, P O Box 7751 Underwood 4-7751
Los Angeles 57, Cal, 1901 W 8 St, Suite 110 Dunkirk 8-2391
Newark 2, N J, 9 Clinton St Market 3-5226
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Locust 1-0115
Rochester 18, N Y, 895 Winton Rd S Greenfield 3-6370

Sel-Rex Corp, 75 River Rd, Nutley 10, N J North 7-5200
Chicago, Ill, 1629 S 55 Ave Olympic 6-4400
Santa Monica, Cal, 2180 Colorado Ave Exbrook 4-6771
Warwick, N Y, 105 Bellows St, Warwick Ind Pk Stuart 1-0700

Semon Bache & Co, see listing under "B"

M Setlow & Son, Inc, 200 Indian River Rd, Orange, Conn SY 9-2315

(The) Sharples Corp, 2300 Westmoreland St, Phila 40, Pa Baldwin 8-9100
Atlanta, Ga, 3131 Piedmont Rd, NE Cedar 3-2289
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-7639
Cleveland 7, O, 14700 Detroit Ave Academy 1-0715
Detroit 38, Mich, 10600 Puritan Ave University 2-1097
Houston 2, Tex, 1712-A Niels Esperson Bldg Capitol 4-6720
N Y 17, 501 5 Ave Murray Hill 7-1640
St Louis 5, Mo, 7811 Cardondelet Ave Parkview 7-0608
Santa Ana, Cal, 10761 E 17 St Kimberly 7-6201
St Louis, Mo, 4378 Lindell Blvd Franklin 1-1071
(San Francisco) Burlingame, Cal, 1100 Carolan Ave Diamond 3-4519
Seattle 1, Wash, 811 Vance Bldg, 1402 3 Ave Mutual 4564

Sherwin-Williams Co, Pigment, Color & Chem Div, 260 Madison Ave, N Y 16 Lexington 2-5806
Boston 16, Mass, 30 Huntington Ave Copley 7-5450
Chicago 1, Ill, 188 W Randolph St Financial 6-0500
Cincinnati 39, O, 1608 W Galbraith Rd Jackson 1-8484
Cleveland 1, O, 101 Prospect Ave Tower 1-7000
Coffeyville, Kans, 1306 W 5 St Clinton 1-5333
Hazel Park, Mich, 21505 John R St Lincoln 8-6611
Houston 19, Tex, 1 Briar Dale Ct, P O Box 22445 Madison 3-9502
Jacksonville 7, Fla, 3304 Atlantic Blvd Flanders 9-6141
Los Angeles 33, Cal, 363 S Mission Rd Angelus 9-8237
Oakland 8, Cal, 1500 Park Ave Olympic 2-2700
Phila 7, Pa, 325 N Broad St Market 7-3300
St Louis 5, Mo, 559 Skinker Blvd Volunteer 3-6999

T Shriver & Co, Inc, 834 Hamilton St, Harrison, N J HU 4-2500

Sier-Bath Gear & Pump Co, Inc, 9244 Hudson Blvd, North Bergen, N J UN 9-3000

Sigmamotor, Inc, 3 N Main St, Middleport, N Y RE 5-3411

L E Simmons Refining Co, 440 N Orleans St, Chicago 10, Ill Whitehall 3-2383

Simplicity Engrg Co, 209 S Oak St, Durand 46, Mich
El Monte, Cal, 2226 N Rosemead Blvd Gilbert 8-5290

(The) Orville Simpson Co, 1224 Knowlton St, Cincinnati 23, O KI 1-1236

Simpson Elec Co, 5200 W Kinzie St, Chicago 44, Ill Esterbrook 9-1121
Batavia Body, Batavia, Ill
Champion Pneumatic Machy Co, Princeton, Ill
Hershey Mfg Co, 4309 W Lake St, Chicago 24, Ill
Indiana Foundry, Wabash, Ill
Size Control, 2500 W Washington Blvd, Chicago 12, Ill
Standard Transformer Co, Warren, O

Singmaster & Breyer, 420 Lexington Ave, N Y 17 OR 9-4480

Skeist & Schwartz Labs, 101 W 31 St, N Y 1 LA 4-2979

F L Smidth & Co, 1270 Ave of the Americas Plaza 7-9100

A O Smith Corp, 3533 N 27 St, P O Box 584 Milwaukee 16, Wis Uptown 3-3000
Chicago 3, Ill, 30 W Monroe St, Suite 1010 Financial 6-6131
Houston 2, Tex, 1538 Commerce Bldg Capitol 4-7897
Los Angeles 17, Cal, 550 S Flower St Madison 6-4484
N Y 17, 250 Park Ave Yukon 6-7400

Arthur F Smith, Inc, 311 Alexander St, Rochester 4, N Y BA 5-4670

E C Smith Mfg Co, Inc, Forest & Hector Sts, Conshohocken, Pa Taylor 8-4790

Snap-Tite, Inc, 201 Titusville Rd, Union City, Pa 497
Encino, Cal, 16611 Ventura Blvd State 8-7992
(Chagrin Falls) Moreland Hills, O, 150 Meadow Hill Lane TE 1-8826
Lafayette-Hill, Pa, 441 Germantown Pike TA 8-7173

Foster D Snell, Inc, 29 W 15 St, N Y 11 Watkins 4-8800

M L Synder & Son, Inc, 1810-70 Boston Ave, Phila 25, Pa Regent 9-5678
Gloucester, Mass, 33 Maplewood Ave Gloucester 258
Los Angeles 37, Cal, 43 & Bway Adams 1-5149
St Louis 6, Mo, 1615 N 7 St Chestnut 1-2727
San Francisco 5, Cal, 149-151 2 St Exbrook 2-2091
Seattle 4, Wash, 71 Columbia Ave Main 3-6024

Solitest, Inc, 4711 W North Ave, Chicago 39, Ill Spaulding 2-6400
Mountainside, N J, 237 Sheffield St Adams 3-1188

Southline Metal Products Co, 3777 W 12 St, Houston 24, Tex

Southwestern Engrg Co, 4800 Santa Fe Ave, Los Angeles 58, Cal Ludlow 3-6262

Sparton Corp see Allied Steel & Conveyors Div

Speco, Inc, 7308 Associate Ave, Cleveland 9, O Atlantic 1-9520

Speedline Fittings Div, Horace T Potts Co, Erie Ave & D St, Phila 34, Pa Garfield 6-4600
Baltimore 6, Md, 7110 Commercial Ave Ivanhoe 8-4200

Spence Engrg Co, Inc, Elm St, Walden, N Y Prescott 2-4501

(The) Spencer Turbine Co, 486 New Park Ave, Hartford 6, Conn Adams 3-6293
Chicago 18, Ill, 3443 W Montrose Ave
Newark 2, N J, 24 Commerce St Market 2-3469
N Y 17, 101 Park Ave Murray Hill 3-5307
Washington 4, D C, 3333 Connecticut Ave, NW

D R Sperry Co, 112-E N Grant St, N Aurora, Ill TW 2-4361

Sperry Products Co, Div Howe Sound Co, 100 Shelter Rock Rd, Danbury, Conn Pioneer 8-3581
Burbank, Cal, 831 N Lake St, P O Box 3128 Thornwall 5-7451
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-6547
Decatur, Ga, 235 E Ponce de Leon Ave 373-4312
Detroit 12, Mich, 7140 E Davison Ave Twinbrook 3-0483
Houston 24, Tex, 1525A N Post Oak Rd Overland 6-5501
Merriam, Kans, 6200 Merriam Dr Hedrick 2-7500
Palo Alto, Cal, 201 Town & Country Village Bldg Davenport 1-1223
Paoli, Pa, 95 E Lancaster Ave Niagara 4-4844
Pittsburgh 8, Pa, 7405 Penn Ave Freemont 1-3335
Richmond, Va, 6002A W Broad St Atlantic 8-2238
St Louis, Mo, 818 Olive St Main 1-1355
Wichita 15, Kans, 1745 S Maize Rd Parkview 2-4841

Spiral-Glas Pipe Co, P O Box 1952, Old Bridge, N J Parkway 1-7600

Spraying Systems Co, 3256 Randolph St, Bellwood, Ill Linden 4-0380

Sprout, Waldron & Co, Inc, Muncy, Pa Lincoln 6-3111
Crewe, Va, 400 E Tennessee Ave 2801
Fort Worth, Tex, 2550 NE 28 St Market 4-8563
Kansas City 11, Mo, 539 Westport Rd Jefferson 1-2544
N Y 7, 50 Church St, Rm 1983 Rector 2-9385
Oakland 12, Cal, 600 16 St Glencourt 2-4688

Stainless Products, Inc, 6 Clifton Blvd, Clifton, N J Prescott 8-3000

Stainless & Steel Products Co, 1000 Berry Ave, St Paul 14, Minn Midway 6-8833

Standard Conveyor Co, 2266 N 2 St, N St Paul 9, Minn Spring 7-1355
Chicago 39, Ill, 2459 N Laramie Ave
Los Angeles 11, Cal, 115 E 23 St
San Francisco 7, Cal, 801 Minnesota St

Standard Scientific Supply Corp, 808 Bway, N Y 3 Spring 7-0660

Standard Steel Corp, 5075 Boyle Ave, Los Angeles 58, Cal Ludlow 5-1231
Cambridge Div, Industrial Pk, Lowell, Mass GL 4-7881
Leader Iron Works Div, 2175 N Jasper St, Decatur, Ill 8-2103

Standard Wiping Materials, 645 Dean St, Bklyn 38, N Y Nevins 8-1900

(The) Star Porcelain Co, 21 Muirhead Ave, Trenton 9, N J Export 2-3154

Star Tank & Filter Corp, 873 Edgewater Rd, Bronx 59, N Y DA 3-6450

(The) A T Stearns Lumber Co, 88 Taylor St, Dorchester 22, Mass Talbot 5-1040
Elizabeth, N J, 920 Westerfield Ave Elizabeth 2-2165

(The) Stearns-Roger Mfg Co, 660 Bannock St, P O Box 5888, Denver 17, Colo AC 2-8484
Baton Rouge, La, 4446 N Blvd Diamond 3-2831
Houston, Tex, 1115 City Natl Bank Bldg Capital 4-6501
Salt Lake City, Utah, 40 Richards St Davis 2-5891

Stedman Foundry & Mach Co, Inc, Aurora, Ind Aurora 38

Stephens-Adamson Mfg Co, 180 Ridgeway Ave, Aurora, Ill TW 2-4311
Atlanta 11, Ga, Box 9456 Diamond 4-0241
Boston 16, Mass, 1104 Park Sq Bldg Hancock 6-2242
Buffalo 3, N Y, 958 Ellicott Sq Bldg Washington 6253
Chicago 6, Ill, 20 N Wacker Dr Bldg Central 6-4526
Clarksdale, Miss, P O Box 654 Main 4-8395
Cleveland 15, O, 1008 Hanna Bldg Superior 1-5588
Dallas, Tex, 5738 N Central Expwy Taylor 3-7469
Denver, Colo, 320 Denver Club Bldg Alpine 5-7806
Houston 2, Tex, 1213 Capitol Ave Capitol 2-0557
Los Angeles 58, Cal, 2227 E 37 St Ludlow 3-1511
Minneapolis, Minn, 420 Flour Exchange Bldg Federal 6-5661
N Y 7, 50 Church St Rector 2-4424
Pittsburgh 22, Pa, 1408 Investment Bldg Court 1-3710
(Phila) Glenside, Pa, 25 Easton Rd Turner 7-3616
St Louis 1, Mo, 1414 Paul Brown Bldg Central 1-1455
San Francisco 5, Cal, 145 Mission St Exbrook 2-4218
Seattle 1, Wash, 909 Joseph Vance Bldg Mutual 2-3962

Sterling Elec Motors, Inc, 5402 Telegraph Rd, Los Angeles 22, Cal Raymond 3-6211
Branches in all principal cities

Sterling Packing & Gasket Co, Inc, 1701 Nance St, Houston, Tex CA 8-4404

Stewart-Warner Corp, Alemite Div, 1826 W Diversey Pkwy, Chicago 14, Ill Lakeview 5-6000

Stockham Valves & Fittings, 4001 10 Ave N, Birmingham, Ala Lyric 2-6361
Atlanta 8, Ga, 770 Spring St N W Trinity 5-8833
Cambridge 40, Mass, 1955 Massachusetts Ave Kirkland 7-5737
Chicago 9, Ill, 3612 Iron St Frontier 6-3435
Dallas 35, Tex, 1127 Exch Bank Bldg, 100 Exch Park N Fleetwood 7-8766
Houston 1, Tex, 5609 Harvey Wilson Dr Walnut 8-5101
Los Angeles 54, Cal, 5502 Alcoa Ave, Vernon Ludlow 7-1227
N Y 20, 45 Rockefeller Plaza Circle 7-1216
Phila 48, Pa, Wolf & Water Sts Fulton 9-5000
Pittsburgh 19, Pa, 401 Grant Bldg Court 1-0952
Prairie Village 15, Kans, 7501 Mission Rd, Rm N-14 Mitchell 9-7800
San Francisco 3, Cal, 1355 Market St Underhill 1-3210
Washington 4, D C, 815 Natl Press Bldg Republic 7-6042

F J Stokes Corp, 5500 Tabor Rd, Phila 20, Pa Cumberland 9-0100
Chicago 45, Ill, 5875 N Lincoln Ave Edgewater 4-1560
Cleveland 15, O, 2036 E 22 St Superior 1-7120
Dayton 9, O, 3070 Far Hills Ave Axminster 8-6931
Pasadena 1, Cal, Prudential Bldg, Rm 313, 15 N Euclid Ave Murray 1-2376
Portland, Conn, 252 Main St Diamond 6-2601
Rochester 18, N Y, 1795 Monroe Ave Greenfield 3-1940
Stamford, Conn, 77 Bedford St Davis 3-2335
Union, N J, 2165 Morris Ave Murdock 8-2345

Stone Container Corp, 360 N Michigan Ave Financial 6-6600
Detroit, Mich, 6400 Harper
Mansfield, O, 300 Hesseldon Rd
Phila, Pa, Tulip & Decatur Sts
South Bend, Ind, 903 S Main St

Stone & Webster Engrg Corp, 90 Broad St, N Y 4 Bowling Green 9-4224

Stover Co, 1005 Hancock Ave, Freeport, Ill Adams 2-7114

Strahman Valves, Inc, Nicolet Ave, Florham Pk, N J Frontier 7-4900

Straight Line Filters, Inc, P O Box 291-A, Wilmington 99, Del OL 4-8805

Strong, Carlisle & Hammond Div, White Sewing Machine Corp, 508 Sandusky St, Conneaut, O 2-2476

(The) Strong-Scott Mfg Co, 451 Taft St, NE, Minneapolis 13, Minn Sterling 1-7461
Ridgewood, N J, Lincoln Bldg, 45 N Broad St Oliver 2-6030
Wayne, Pa, 316 E Lancaster Ave Murry 8-8566

Struthers Wells Corp, Pennsylvania Ave W, Warren, Pa RA 3-4300
Chicago 2, Ill, 6 N Michigan Ave Financial 6-4655
N Y 20, 30 Rockefeller Plaza Plaza 7-7272

Sturtevant Mill Co, 52 Clayton St, Dorchester, Boston 22, Mass Talbot 5-6500
N Y 6, 149 Bway Barclay 7-3624

Submerged Combustion, Inc, 759 Logan St, P O Box 267, Hammond, Ind Westmore 2-8050

Sumco Engrg Inc, P O Box 193, Caldwell, N J Capital 6-4700

Super Whip Valve Co, 4101 N Rockwell St, Chicago 18, Ill Juniper 8-6300

Superior Air Products Co, 134 Malvern St, Newark 5, N J Market 3-5715

Superior Elec Co, 3 Middle St, Bristol, Conn Ludlow 2-9561
Fort Washington, Pa, Fort Wash Industrial Park Chestnut Hill 8-4728
Dallas 6, Tex, 174 Meadows Bldg Emerson 3-1679
Dearborn, Mich, 13530 Michigan Ave Luzon 2-5225
Medina, O, 101 Public Sq Park 3-1515
Miami 32, Fla, Dupont Plaza Franklin 4-4103
N Y 17, 250 Park Ave Yukon 6-7930
Oak Park, Ill, 721 South Blvd Euclid 3-5430
Redwood City, Cal, 2881 El Camino Real Emerson 8-7094
Seattle 4, Wash, 810 3 Ave Mutual 1323
Van Nuys, Cal, 14663 Titus St State 6-3626
Washington 5, D C, 425 13 St, NW Sterling 3-6774
Wellesley Hills, Mass, 6 Abbott Rd Cedar 7-0750

Superior Tube Co, Box 191, Norristown, Pa Broadway 5-2070

Surface Combustion Div, Midland-Ross Corp, 2375 Dorr St, Toledo 1, O Jefferson 6-4611

Sutorbilt Corp, subs Fuller Co, 2966 E Victoria St, Compton, Cal

Sutton, Steele & Steele, Inc, 1030 Haskell, Dallas 23, Tex Taylor 1-9143

Swan Mfg Corp, 166 Franklin Ave, Rockaway, N J OA 7-5600

Swenson Evaporator Co, Div Whiting Corp, 15652 Lathrop, Harvey, Ill Edison 1-4000
(Boston) Wellesley Hills, Mass, 980 Worcester St
Charlotte, N C, P O Box 3392, Edison
Chicago 3, Ill, 33 S Clark St Franklin 2-5303
Cincinnati 8, O, 3181 Linwood Rd Trinity 1-1589
Cleveland 24, O, 5767 Mayfield Rd Hillcrest 2-8020
(Detroit) Birmingham, Mich, 975 S Hunter Blvd Midwest 6-5157
Houston 5, Tex, 2480 Times Blvd Jackson 9-5578
(Los Angeles) Sante Fe Springs, Cal, 12631 S Hunter Blvd University 4-2776
Minneapolis 16, Minn, 5009A Excelsior Blvd Walnut 7-7800
N Y 7, 30 Church St Rector 2-9655
Norwalk, Cal, 14420 S Bloomfield Ave University 4-2776
(Phila) Ardmore, Pa, 9 Rittenhouse Pl Midway 2-8100
Pittsburgh 22, Pa, 1109 Empire Bldg Atlantic 1-4846
(St Louis) University City 5, Mo, 567 North & South Rds Volunteer 3-6600
Seattle 1, Wash, 529 Skinner Bldg Mutual 2-1785

►**SWEPCO TUBE CORP**, 1 Clifton Blvd, Clifton, N J Prescott 8-3300

Syntron Co, 421 Lexington Ave, Homer City, Pa Gridley 9-8011

T

TRW Computers Co, Div of Thompson Ramo Wooldridge Inc, 8433 Fallbrook Ave, Canoga Pk, Cal DI 7-9771
Beverly Hills, Cal, 220 N Cannon Dr Bradshaw 2-8892
Chicago, Ill, 200 S Michigan Ave Harrison 7-6348
Houston, Tex, 1510 Esperson Bldg Capital 7-5319
N Y 17, 200 E 42 St Murray Hill 2-8488

Tabor Pump Co, 291 Elm St, Buffalo 3, N Y TL 4-3120

W A Taylor & Co, 7300 York Rd, Baltimore 4, Md Valley 3-1573

Technipower Inc, 18 Marshall St, S Norwalk, Conn VO 6-7000

Tellepsen Petro-Chem Constructors, 1710 Telephone Rd, Box 2536, Houston, Tex WA 3-9331

Tempil Corp, 132 W 22 St, N Y 11 Oregon 5-6610

Terriss-Consolidated Industries, 22-24 Wooster St, N Y 13 Canal 6-7410

(The) Terry Steam Turbine Co, P O Box 1200, Hartford 1, Conn Jackson 2-4285
Phila 2, Pa, 112 S 16 St Rittenhouse 6-6667
N Y 6, 90 West St Cortlandt 7-8178

Thayer Scale Corp, 60 Thayer Park, Pembroke, Mass TA 6-2371

Thermal American Fused Quartz Co, 20-25 Salem St, Dover, N J Foxcroft 6-2807

Thermal Research & Engrg Corp, 300 Brook Rd, Conshohocken, Pa Taylor 8-5400
Cleveland 21, O, 2195 S Green Rd Evergreen 2-0140

Thermco Instrument Corp, RR 5, Box 422, LaPorte, Ind 362-6258

Thermo Elec Co, Inc, 109 5 St, Saddle Brook, N J Hubbard 9-5800
Attleboro, Mass, 165 Park St Castle 2-3368
Chicago 46, Ill, 5780 N Elston Ave Newcastle 1-7332
Cincinnati 37, O, 7719 Reading Rd Valley 1-8875
Cleveland 26, O, 4331 W 229 St Regent 4-3420
DeWitt 14, N Y, 314 Cooper Lane Gibson 6-2849
Indianapolis 22, Ind, 2806 W 30 St Walnut 5-4870
Metairie, La, 5813 DiMaggio Pl Vernon 5-8844
Pittsburgh 21, Pa, 700 Wood St Churchill 1-1200
Tarzana, Cal, 19458 Ventura Blvd Dickens 5-1480

Thermolyne Corp, 5092 Huff St, Dubuque, Iowa 3-3501

Thomas Flexible Coupling Co, Main Ave & Biddle St, Warren, Pa RA 3-6600

Thomas Industries, Inc, 207 E Bway, Louisville, Ky JU 2-3771

Thompson Mfg Co, Inc, 152 W 12 St, Erie, Pa GL 2-3185

John I Thompson & Co, 1118 22 St NW, Box 35311 Washington 7, D C Federal 7-4200

Thwing-Albert Instrument Co, 5395 Pulaski Ave, Phila 44, Pa Victor 8-7200

(The) Timkin Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, O Glendale 3-4511
Atlanta 9, Ga, 1007 Williams St NW Trinity 2-6654
Birmingham 9, Ala, 10 Office Park Circle, P O Box 2450 Tremont 1-5172
Boston 15, Mass, 1107 Commonwealth Ave Stadium 2-9750
Buffalo 14, N Y, 2960 Main St Madison 7905
Chicago 32, Ill, 4647 W 47 St Portsmouth 7-7700
Cincinnati 29, O, 1738 Tennessee Ave Elmhurst 1-1100
Cleveland 20, O, 3605 Lee Rd, Shaker Hts Wyoming 1-6100
Columbus 3, O, 1025 Cleveland Ave Axminster 1-3161
Dallas 26, Tex, 2900 Canton St Riverside 7-4831
Denver 16, Colo, 2140 E 45 Ave, P O Box 9003 Amherst 6-0275
Detroit 35, Mich, 16101 Schaefer Hwy Vermont 8-2626
Houston 5, Tex, 2472 Bolsover Rd Jackson 8-5416
Huntington 1, W Va, 422 Chafin Bldg 2-1260
N Kansas City 16, Mo, 1645 Swift Ave Grand 1-8131
Los Angeles 7, Cal, 2727 S Flower St Richmond 7-4141
Memphis 6, Tenn, 886 S 3 St Jackson 7-7376
Milwaukee 16, Wis, 4444 W Capitol Dr Hilltop 2-9444
Minneapolis 3, Minn, 1609 Hennepin Ave Federal 8-4795
Moline, Ill, 1518 5 Ave, Reliance Bldg 2-5511
N Y 19, 770 11 Ave Columbus 5-1626
Phila 32, Pa, 3121 W Hunting Park Ave Baldwin 3-6006
Pittsburgh 13, Pa, 416 N Craig St Mayflower 1-7200
St Louis 10, Mo, 2100 S Vandeventer Ave Mohawk 4-4724
San Francisco 3, Cal, 465 6 St Exbrook 2-4041
Seattle 9, Wash, 305 9 Ave N Main 1580
Washington, D C, 823 Transportation Bldg Republic 7-6068

Titan Metal Mfg Co, Div of Cerro Corp, Bellefonte, Pa Elgin 5-4712
Cincinnati, O, 7374 Reading Rd Redwood 1-7741
Cleveland 15, O, 2829 Euclid Ave Academy 1-7270
Greensboro, N C, Elm & Washington St Broadway 2-4128
Indianapolis, Ind, 200 S Tibbs Ave Chapel 4-8286
Los Angeles 5, Cal, 2724 W 8 St Dunkirk 7-2323
Mansfield, O, 708 Coleman Rd Lafayette 4-0550
Phila 4, Pa, 33 & Arch Sts Evergreen 6-0337
Rochester 4, N Y, 25 N St Hamilton 6-1490
St Louis 5, Mo, 319 Slavin Bldg, 8000 Bonhomme Parkview 5-8222
Southfield, Mich, 18610 W 8 Mile Rd Kenwood 3-5998
Springfield 3, Mass, 1387 Main St Republic 9-3895

Todd Shipyards Corp, Ft of Industrial Rd, Box 9666, Houston 15, Tex WA 6-6712
Brooklyn, N Y, Ft of Dwight St Main 5-6825
Hoboken, N J, Park Ave & 17 St Oldfield 9-0700
(Los Angeles) San Pedro, Cal, Hd of Main San Pedro Channel, Box 231 Terminal 2-3361
San Francisco, Cal, 260 Cal St Sutter 1-2110
Seattle, Wash, 1801 16 Ave, SW Main 3-1635

Toledo Pipe Threading Mach Co, P O Box 1678, Toledo 3, O Cherry 1-5175

Tolhurst Centrifugals Div, American Mach & Metals, Inc, Center St, E Moline, Ill 755-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y 7, 233 Bway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333 G St NW Republic 7-3875

Torit Mfg Co, 1133 Rankin St, St Paul, Minn MI 8-0391
(Chicago) Oak Forest, Ill, 15907 Mission Fulton 5-6491

Torsion Balance Co, 35 Monhegan St, Clifton, N J Gregory 3-6900
Chicago 4, Ill, 224 S Michigan Ave Wabash 2-8130
San Mateo, Cal, 28 37 Ave Fireside 1-8182

►**TOTE SYSTEM, INC**, 700 S 7 St, Beatrice, Neb Canal 3-2324

(The) Trane Co, 2 & Cameron Sts, La Crosse, Wis 2-8000
Branches in all principal cities

Trans-Lite, Inc, P O Box 70 B, Milford, Conn TR 4-6763

Tranter Mfg, Inc, 735 E Hazel St, Lansing, Mich IV 4-4531

Traylor Engrg & Mfg Div, Fuller Co, S 10 & Mill Sts, Allentown, Pa Hemlock 4-5101
Chicago 3, Ill, 135 LaSalle St Dearborn 2-3952
N Y 17, 380 Madison Ave Oxford 7-2525
San Francisco 4, Cal, 617 Chancery Bldg, 564 Market St Yukon 1-0677

Treen Box Co, Tioga & Memphis Sts, Phila 34, Pa Cumberland 9-3110

Trent Tube Co, 498 S Church St, E Troy, Wis Midway 2-7321

Tri-Homo Corp, 90 Highland Ave, Salem 2, Mass Pioneer 4-2025
N Y 16, 261 5 Ave Murray Hill 3-0935

Trinity Equipment Corp, West Rd, Cortland, N Y Skyline 6-7535

Trinity Steel Co, Inc, 4001 Irving Blvd, Dallas 7, Tex Fleetwood 7-3961
Francesville, Inc, P O Box 158 230

Tri-Point Plastics, 175 A I V Willets Rd, Albertson, L I, N Y Mayfair 1-5800
St Petersburg, Fla, 5201 Seminole Blvd Waverly 1-2156

Truman B Wayne & Constructors, 2405 Norfolk, Houston 6, Tex JA 9-9193

Tube Turns Div, Chemetron Corp, 226 E Bway, Louisville, Ky Juniper 7-7551
Atlanta 3, Ga, Atlanta Federal Savings Bldg Jackson 2-7310
(Buffalo) Synder 26, N Y, 89 Walton Dr TF 4-0207
Chicago 5, Ill, 600 S Michigan Ave Harrison 7-8526
Columbus, O, 3435 Kirkham Rd Hudson 6-3936
Dallas, Tex, 6206 Aberdeen Emerson 1-1912
Denver, Colo, 1160 10 St Cherry 4-5807
Detroit, Mich, 8102 E Jefferson St Trinity 3-7938

Houston 1, Tex, 7120 Katy Rd Underwood 9-3531
Kansas City, 110 8 W 49 St Westport 8-8111
Los Angeles 58, Cal, 2417 E 24 St Ludlow 7-8287
Minneapolis, Minn, 6812 Limerick Lane Capital 2-6797
N Y 38, 150 Bway Rector 2-8230
Phila 3, Pa, 846 Suburban Sta Bldg Locust 7-3218
Pittsburgh 19, Pa, 1718 Grant Bldg Atlantic 1-8850
Richmond 29, Va, 1309 Hillside Ave Milton 3-1743
San Francisco, Cal, Sales Mart Bldg, 1485 Bayshore Juniper 7-6031
St Petersburg, Fla, 7000 S Shore Dr Orange 1-4141
Shreveport, La, 6122 Yarbrough Rd 425-2280
Seattle Wash, 5510 E Marginal Way Parkway 2-7500
Tulsa 3, Okla, 704 Wright Bldg Luther 2-9193
Tube Turns Plastics, Inc, 2931 Magazine St, Louisville 11, Ky Spring 5-6431
Atlanta, Ga, 100 Biscayne Dr, NW Trinity 4-8601
Baltimore, Md, 1101 W Lake Ave Drexel 7-5662
Boston, Mass, 104 Elm Ct, New Castle, N H Geneva 6-7045
Chicago, Ill, 5516 N Campbell Ave Locust 1-0422
Houston 24, Tex, 7614 Wedgewood Lane Overland 2-0840
(Los Angeles) Manhattan Beach, Cal, 1000 Highland Ave Frontier 9-1858
(N Y C), Haskell, N J, 27 6 Ave Temple 5-6372
W San Jose, Cal, 5234 Northlawn Dr Valley Drexel 9-2321
Twin Disc Clutch Co, 1328 Racine St, Racine, Wis Melrose 4-1981
Cleveland 16, O, 20800 Center Ridge Rd Edison 3-0155
Dallas, Tex, 1511 Turtle Creek Blvd Riverside 1-3014
Los Angeles 58, Cal, 2950 Leonis Blvd Ludlow 3-3309
New Orleans 21, La, 254 St George Ave, P O Box 10143 Vernon 5-6467
Newark 5, N J, 15-17 Fenwick St Bigelow 3-0251
Rockford, Ill, 1310 Preston St Woodland 4-5665
(The) W S Tyler Co, 3615 Superior Ave, Cleveland 14, O Henderson 1-5400
Atlanta 3, Ga, 432 Hurt Bldg Murray 8-2504
Boston 16, Mass, 914 Statler Bldg Hancock 6-0401
Chicago 4, Ill, 200 S Michigan Ave WA 2-0715
Dallas 1, Tex, 2932 Republic Natl Bank Bldg Riverside 2-6720
Los Angeles 5, Cal, 3540 Willshire Blvd Dunkirk 1-2101
N Y 17, 750 3 Ave Yukon 6-9070
San Francisco 4, Cal, 1016 Russ Bldg Sutter 1-1460

U

Uhrden, Inc, 508 Grant St, Dennison, O Walnut 2-5414
Union Bag-Camp Paper Corp, 233 Bway, N Y 7 Cortlandt 7-5300
Atlanta 5, Ga, 800 Peachtree N E Trinity 6-5736
Baltimore 12, Md, Box 4566 Idlewood 5-0400
Boston 16, Mass, 1134 Park Sq Bldg Hubbard 2-8825
Chicago 39, Ill, 4545 W Palmer St Capitol 7-6000
Cincinnati 19, O, 524 Maxwell Ave University 1-9806
Cleveland 15, O, Bulkley Bldg, 1501 Euclid Ave, Rm 318 Cherry 1-7114
Dallas, Tex, 4408 Gaston Ave, Rm 201 Taylor 6-5910
Detroit, Mich, 646-647 New Center Bldg, 7430 2 Ave Trinity 1-3700
Franklin, Va Logan 2-4111
Glens Falls, N Y, Pruynis Island Glen Falls 3-3424
Hoboken, N J, 400 9 St Oldfield 6-5113
Kansas City 11, Mo, 3527 Bway Logan 1-0333
Minneapolis 2, Minn, 1309 Foshay Tower Federal 9-5584
New Hope, Pa Volunteer 2-2011
Phila 8, Pa, 401 N Broad St Walnut 2-5787
Richmond, Va, P O Box 1598 Milton 4-0381
(St Louis) Affton, Mo, 8300 Valcour Ave Vernon 2-1201
Savannah 5, Ga, Box 570 Adams 6-5771
Trenton 9, N J, 1400 E State St Juniper 7-2000
Union Carbide Corp, 270 Park Ave, N Y 17 LL 1-2345
See also separate listings by divisions:
Haynes Stellite Co
Linde Co
National Carbon Co
Union Carbide Metals Co
Union Carbide Metals Co, 270 Park Ave, N Y 17 LL 1-2345
Union Iron Works, 420 Cascade St, Erie, Pa Glendale 4-8164
Boston 10, Mass, 80 Federal St
Charlotte 4, N C, 309 Cole Bldg
Chicago 1, Ill, 2008 Prudential Plaza
Cleveland 15, O, 857 Leader Bldg
Jacksonville, Fla, 1723 Prudential Bldg
New Orleans 24, La, 5534 Canal Blvd
N Y 16, 30 E 40 St
Phila 7, Pa, 12 S 12 St
Pittsburgh, Pa, 2511 Grant Bldg
Syracuse, N Y, 472 S Salina St
Union Process Co, 120 Ash St, Akron, O Franklin 6-3189
Union Steel Chest Corp, 154 Church St, Le Roy, N Y Le Roy 584
Union Steel Corp, 1550 Ashwood Terrace, Union, N J Murdock 7-2000
Atlanta 9, Ga, 45 11 St N E Trinity 2-0268
Chicago 44, Ill, 4754 Washington Blvd Esterbrook 8-0155
Pasadena, Cal, 555 E Walnut St Murray 1-4701
Unique Wire Weaving Co, Inc, 723 Ramsey Ave, Hillside, N J MU 8-4600
United Box & Lumber Co, 45 S Wheeler Pt Rd, Newark 5, N J MA 2-4500
United Elec Controls Co, 85 School St, Watertown 72, Mass Walnut 6-1000
United Engrs & Constructors, 1401 Arch St, Phila 5, Pa Locust 4-1800
United States Elec Motors Inc, Box 2058 Terminal Annex, Los Angeles 54, Cal Adams 3-3131
Boston 16, Mass, 25 Huntington Ave Copley 7-4910
Chicago 34, Ill, 6551 W Belmont Ave Tuxedo 9-6242
Cleveland 14, O, 3202 St Clair Ave Tower 1-7188
Milford, Conn, Old Gate Lane Trinity 4-2551
Newark 4, N J, 54 Bway Humbolt 4-0100
N Y 6, 90 West St Rector 2-1720
Phila 2, Pa, 1421 Chestnut St Locust 4-4477
St Paul 4, Minn, 2395 University Ave Midway 5-8168
San Francisco 7, Cal, 564 4 St Garfield 1-7625
Seattle 4, Wash, 3427 4 Ave S Main 4-0614
U S Hoffman Can Corp, 50 St & 1 Ave, Bklyn, N Y ST 8-2200
Leetsdale, Pa
Newark, N J, 540 Ferry St
United States Gauge Div, American Mach & Metals, Inc, 160 Clymer Ave, Sellersville, Pa Alpine 7-6531
United States Pipe & Foundry Co, 3300 1 Ave N, Birmingham 2, Ala Alpine 1-3161
Branches in all principal cities
United States Rubber Co, 1230 Ave of the Americas, N Y 20 Circle 7-5000
Branches in all principal cities
United States Rubber Co, Textile Div, 1230 Ave of the America's, N Y 20 CI 7-5000
Branches in all principal cities
United States Safety Service Co, 1535 Walnut St, Kansas City 8, Mo Victor 2-8500
Branches in all principal cities
United States Steel Products Div, United States Steel Corp, 30 Rockefeller Plaza, N Y 20 Circle 5-3100
Alameda, Cal, 1849 Oak St Lakehurst 2-5511
Camden 1, N J, P O Box 530 Normandy 3-8000
Chicago 27, Ill, 14700 Harvard Ave Interocean 8-9610
Los Angeles 58, Cal, 5100 Santa Fe Ave Ludlow 7-2121
New Orleans, La, P O Box 4026, Station F Vernon 3-2851
Port Arthur, Tex, P O Box 1440 Yukon 2-9455
Sharon, Pa, P O Box 251 Gibson 8-6841
(The) United States Stoneware Co, 12 East Ave, Tallmadge, O Meadowbrook 3-3224
Annaheim, Cal, 2929 Wilshire Blvd Prospect 2-9160
Buffalo 6, N Y, 2021 Clinton St Talbot 4-6004
(Chicago) Oak Park, Ill, 1515 N Harlem Ave Austin 7-1611
Houston 4, Tex, 4101 San Jacinto Jackson 8-3209
N Y 17, 60 E 42 St Murray Hill 2-6577
Universal Road Machy Co, 27 Emerick St, Kingston, N Y FE 1-8248
N Y 6, 117 Liberty St Barclay 7-3039

V

Valve Corp of America, 1720 Fairfield Ave, Bridgeport, Conn Edison 3-3165
Van Products Co, 5818 Swanville Rd, Erie, Pa Temple 3-9871
Vapor Heating Corp, 6420 W Howard St, Chicago 48, Ill Newcastle 1-9200
Seattle 88, Wash, 21259 22 Ave, S Trinity 8-2658
(The) Vapor Recovery Systems Co, 2820 N Alameda St, Compton, Cal Nevada 6-1211
Camden, N J, 2 & Beckett St Woodlawn 4-7600
Chicago 43, Ill, 3915 W 103 St Prescott 9-4711
Cleveland 13, O, 1313 Terminal Tower Tower 1-2242
El Cerrito, Cal, 10542 San Pablo Ave Landscape 4-9022
Houston 2, Tex, 466 M & M Bldg CA 4-9555
New Orleans 12, La, 1119-21 Richard's Bldg 523-2167
Vernon Tool Co, Ltd, 1101 Meridian Ave, Alhambra, Cal Cumberland 3-1206
Vic Mfg Co, 1301 Hawthorne Ave, Minneapolis 3, Minn Federal 2-8661
Victaulic Co of America, 837 Lehigh Ave, Union, N J Murdock 7-2200
Casper, Wyo, 208 N Market St Casper 3-4573
Farmington, N M, 916 Schofield Lane Davis 5-3252
Houston, Tex, 6006 Harvey Wilson Dr Walnut 6-2689
Los Angeles 58, Cal, 4201 District Blvd Ludlow 9-5351
Odessa, Tex, 400 W 1 Ave Federal 2-1489
Victory Engrg Corp, P O Box 373, Union, N J Murdock 8-7150
Viking Pump Co, 4 & Whitney Sts, Cedar Falls, Iowa Colfax 6-1741
Atlanta, Ga, 1223 Techwood Dr, NW Trinity 5-7131
Chicago 6, Ill, 549 W Washington Blvd State 2-6818
Cleveland 30, O, 6354 Pearl Rd Cherry 1-0687
Dallas 22, Tex, 2175 W Commerce St Riverside 2-6839
Indianapolis 25, Ind, 407 Madison Ave Melrose 5-8349
(Kansas City), Overland Pk, 7113 W 79 St Niagara 2-6023
Milwaukee, Wis, 710 N 6 St Broadway 6-0807
(The) Viter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis Sheridan 4-0111
►HENRY VOGT MACH CO, 1000 W Ormsby St, Louisville 10, Ky Melrose 4-9411
Camden 2, N J, 507 Wilson Bldg Woodlawn 3-3797
Charleston, W Va, P O Box 1522 Pleasant 5-2671
Chicago 3, Ill, 140 S Dearborn St Franklin 2-3273
Cleveland 14, O, 710 Williamson Bldg Prospect 1-3033
Dallas, Tex, 311 Sakard Riverside 8-9476
Monterey Park, Cal, 664 Monterey Pass Rd CU 3-5033
N Y 4, 80 Broad St Bowling Green 9-3668
St Louis 17, Mo, 6611 Clayton Rd Parkview 6-2288
Vulcan-Cincinnati, Inc, 120 Sycamore St, Cincinnati 2, O Dunbar 1-1400
Vulcan Containers, Inc, 161-CW, BG, Bellwood, Ill Linden 4-5000
Birmingham, Ala, P O Box 786 Victor 1-1701
Dallas, Tex, P O Box 358 Hamilton 1-7161
Peabody, Mass, P O Box 706 Jefferson 2-0100
St Louis 1, Mo, 705 Olive St Central 1-2278
Vulcan Containers Pacific, Inc, 2424 Merced St, San Leandro, Cal Elgin 7-2080
Vulcan Mfg, P O Box 22, Glendale Rd, Cincinnati 15, O Princeton 1-9310

W

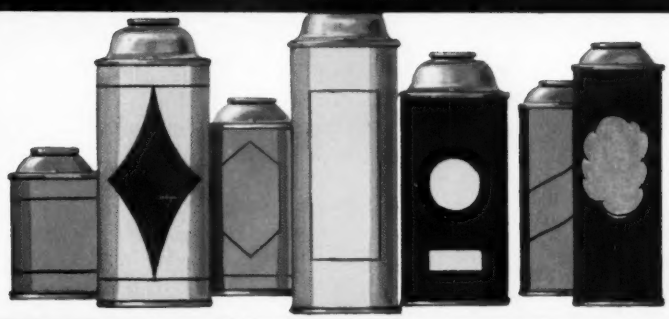
W-K-M Div, ACF Industries, Inc, P O Box 2117, Houston 1, Tex CA 7-8211
Waage Elec Inc, 720 Colfax Ave, Kenilworth, N J Chestnut 5-9063
N Y C: Barclay 7-0662
Wabash Metal Products Co, Inc, 1500 Morris St, Wabash, Ind 583
Wagner Elec Corp, 6400 Plymouth Ave Parkview 1-5000
Branches in all principal cities
Walker Process Equipment Inc, Dept CW, 842 N Russell Ave, Aurora, Ill Twinoaks 6-7777
Columbus, O, 1239 W 3 Ave Axminster 1-7513
Houston, Tex, 7709 Longpoint Rd Overland 2-5754
Wall Colmonoy Corp, 19345 John R St, Detroit 3, Mich Twinbrook 3-3800
(Buffalo 19) Blasdell, N Y, 21 Seneca St Triangle 8900
(Chicago) Maywood, Ill, 911 S 5 Ave Murray 1-1085
Dayton 24, O, 5221 Webster St CR 7-9616
Houston 1, Tex, 5819 Armour Dr, P O Box 680 Walnut 8-5467
L I C, N Y, 45-28 21 St Stillwell 4-1230
Montebello, Cal, 1565 Bluff Rd Raymond 3-6566
Morrisville, Pa, P O Box 205 Cypress 5-7111
Oklahoma City, Okla, 4234 N W 27
Pittsburgh, Pa, 2987 Babcock Blvd Emerson 1-7448
S San Antonio, Tex, 2226 W Malone PO 8-3464
Wallace & Tiernan Inc, 25 Main St, Belleville 9, N J Plymouth 9-8000
(Albany) Latham, N Y, P O Box 698
Atlanta, Ga, 3 Rhodes Center NW
Charlotte 4, N C, P O Box 4055
Chicago 7, Ill, 1229 W Washington Blvd
Dallas 6, Tex, 5610 Dyer St
Denver 6, Colo, 3500 E Colfax Ave
Detroit 35, Mich, 13815 W 8 Mile Rd
Houston 25, Tex, 3431 W Holcombe Blvd
Indianapolis 20, Ind, 6364 Guilford Ave
Jacksonville 2, Fla, 401 First Federal Savings Bldg
Kansas City 8, Mo, 2800 Cherry St
Knoxville 19, Tenn, P O Box 10077
(Los Angeles) Monrovia, Cal, 1713 S California Ave
Minneapolis 16, Minn, 3983 Zarthan Ave S
(Phila) Havertown, Pa, 105 W Eagle Rd
Pittsburgh 34, Pa, Suite 207A, 300 Mt Lebanon Blvd
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St Louis 10, Mo, 2319 Hampton Ave
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(Washington, D C) Bethesda 14, Md, 4630 Montgomery Ave
Walworth Co, 750 3 Ave, N Y 17 Murray Hill 2-7060
Warner Elec Brake & Clutch Co, Beloit, Wis Dunkirk 9-2211
Chicago 35, Ill, 1915 N Harlem Ave Tuxedo 9-2161
Detroit 38, Mich, 15756 Wyoming Ave UN 1-7389
Haddonfield, N J, 118 Haddon Ave Hazel 9-2103
Madison, N J, 36 Main St Frontier 7-4800
Warren Pumps, Inc, 612 Bridges Ave, Warren, Mass Hemlock 6-7711
Boston 10, Mass, 80 Federal St Hancock 6-1433
N Y 7, 30 Church St, Rm 808 Cortlandt 7-0517
Chas F Warrick Co, 1964 W 11 Mile Rd, Berkley, Mich Jordan 4-6647
Waterous Co, 83 E Fillmore, St Paul 7, Minn Capital 4-1377
Weighing & Controls Inc (Sub of CompuDyne Corp), Industrial Pk, E County Line Rd, Hatboro, Pa Osborne 5-0901
John M Weiss & Co, 50 E 41 St, N Y 17 Murray Hill 5-6426
Weksler Instruments Corp, 185 E Merrick Rd, Freeport, L I, N Y Mayfair 3-0100
Wellington Sears Co, 111 W 40 St, N Y 18 Longacre 4-0700
Akron 8, O, 504 Ohio Bldg Portage 2-0705
Atlanta 3, Ga, Trust Co of Georgia Bldg Jackson 1-2032
Boston 11, Mass, 99 Chauncy St Liberty 2-6378
Chicago 6, Ill, 222 W Adams St Central 6-6865
Dallas 1, Tex, Mdse Mart, Ervay at Young St Riverside 7-6272
Detroit 26, Mich, 2070 Penobscot Bldg Woodward 1-8216
Los Angeles 14, Cal, 111 W 7 St Madison 7-5226
Phila 7, Pa, 12 S 12 St Walnut 5-5347
San Francisco 5, Cal, 605 Market St Exbrook 2-6528
(The) Welsbach Corp, Ozone Processes Div, 2409 W Westmoreland St, Phila 29, Pa Baldwin 5-7167
Wemco Div, Western Machy Co, 650 5 St, San Francisco 7, Cal Exbrook 7-1717
Hibbing, Minn, 2018 1 Ave Amherst 3-7661
N Y 7, 50 Church St Rector 2-9595
Wendnagel & Co, Inc, 616 W Cermak Rd, Chicago 16, Ill Canal 6-2140
West Bend Equipment Corp, P O Box 2472, West Bend, Wis Federal 4-5561
West Instrument Corp, 4363 W Montrose Ave, Chicago 41, Ill Avenue 6-1007
West Virginia Pulp & Paper Co, Multiwall Bag Div, 230 Park Ave, N Y 17, Rm 1361A Murray Hill 6-8400
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E Point, Ga, 1617 Thompson St Poplar 7-2511
Minneapolis 2, Minn, 2113-14 Foshay Tower Federal 5-4440
New Orleans 13, La, 1400 Annunciation St 524-4811
Torrance, Cal, P O Box 2156 Spruce 5-3111
Western Precipitation Div, Joy Mfg Co, 1000 W 9 St, Los Angeles, Cal Madison 7-4771
Atlanta 5, Ga, 3252 Peachtree Rd NE Cedar 3-6255
Chicago 2, Ill, 1 N LaSalle St Andover 3-4433
N Y 7, 100 Church St Cortland 7-6545
Pittsburgh 22, Pa, Oliver Bldg Grant 1-2116
Salt Lake City 10, Utah, P O Box 2586 Davis 2-1176
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Western Supply Co, 408 N Boulder St, Tulsa, Okla LU 5-8211
Western Wirebound Box Co, P O Box 6148, Portland 10, Ore Avenue 6-0658
Wheaton Brass Works, 110 Springfield Rd, Union N J Murdock 6-1120
Wheelabrator Corp, 1472 S Byrkit St, Mishawaka, Ind Blackburn 5-2141
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Los Angeles, Cal, 2173 Colorado Blvd Clinton 4-2565
N Y C, 285 Madison Ave Lexington 2-2692
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(Boston) Wellesley Hills 81, Mass, 980 Worcester St Cedar 5-6710
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Franklin Park, Ill, 9335 W Belmont Ave Gladstone 1-1810
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San Leandro, Cal, 2303 Merced St Elgin 7-4306
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(Baltimore) Silver Spring, Md, Harding Lane Belmont 5-4161
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Chicago 6, Ill, 549 W Washington St Dearborn 2-3191
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Dallas 2, Tex, 1314 Wood St Riverside 7-6191
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(Kansas City) Overland Pk, Kans, 8905 Switzer St
(Los Angeles) Pasadena 1, Cal, 380 E Green St Murray 1-7511
Minneapolis 6, Minn, 3424 E Lake St Parkway 9-3773
New Orleans, La, P O Box 2570
N Y 36, 45 W 45 St Columbus 5-3302
Phila 18, Pa, 102 E Mermaid Lane Chestnut Hill 8-4747
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Yellow Springs Instrument Co Inc, P O Box 106 CW, Yellow Springs, O Rockwell 7-7242
Yeomans Bros Co, 1999 N Ruby St, Melrose Pk, Ill Estebrook 9-0500
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York Corp, Grantley Rd, York, Pa 8-1131
(The) Paul O Young Co, Line Lexington, Pa Vandyke 2-0810
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Chicago 6, Ill, 205 W Wacker Dr State 2-1689
N Y 17, 51 E 42 St Murray Hill 2-7862
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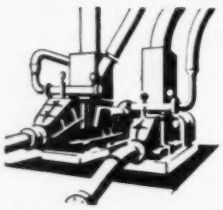
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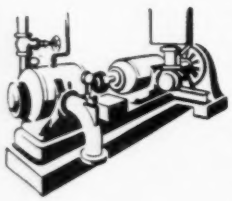
Eastern Division: 633 Third Ave., New York 17
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FULLER EQUIPMENT

for the process industries

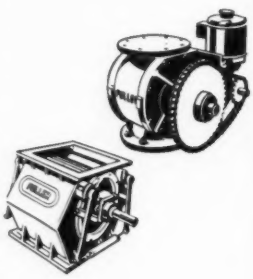


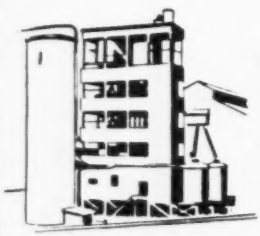
Pneumatic Materials Handling Systems. Widely specified throughout the process industries, Fuller's range of equipment offers best single source for solving problems in moving dry bulk materials pneumatically. Fuller-Kinyon Pumping Systems, Airveyor® Pressure and Vacuum Conveying Systems, and F-H Airslide® Fluidizing Conveyors are completely sealed to prevent both contamination of the product and any leakage of dust, etc., into the surrounding area. They are used to move dry, granular and pulverized materials to and from cars, ships, trailers, storage and processing points.



Fuller Rotary Compressors and Vacuum Pumps are vibration-free, can be installed anywhere, even on balconies. Fewer moving parts mean minimum maintenance. Compressors and Vacuum Pumps handle air and gases from 30 to 3300 cfm at pressures to 125 lb. gage. Vacuums to 29.95 in. (referred to 30-in. barometer).

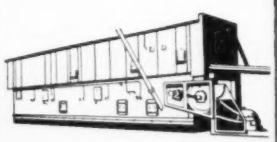
Fuller Vane-type and Roll Feeders . . . for volumetrically controlled feeding of a wide range of dry pulverized or granular materials. Also Fuller Rotary Valves . . . used under silo deck slabs and bins to permit the free flow of pulverized materials which tend to arch, such as lime and cement raw materials.





Fuller Preheaters, Humboldt Suspension Type . . . for preheating dry, pulverized Portland cement raw materials with rotary kiln waste gases.

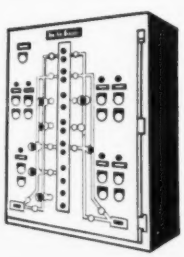
Fuller Horizontal and Inclined Grate Coolers are compact, easily installed for fast, efficient cooling of materials such as nodulized phosphate rock, pebble lime, ores, dolomite, iron nodules and Portland cement clinker from 2800°F. or higher to any desired point within a reasonable range of atmospheric temperature.





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Job for Designed Chemicals

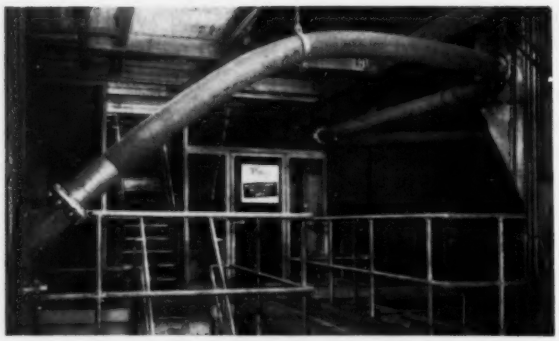
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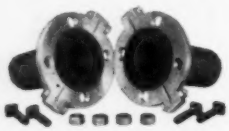
GOODALL *Quality* PRODUCTS FOR THE CHEMICAL INDUSTRY



"GOODITE" FLEXIBLE RUBBER PIPE

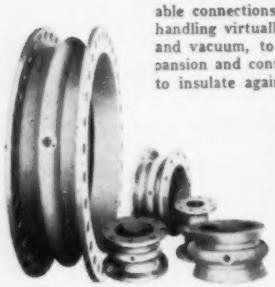
Provides the most efficient and economical means of conducting extremely abrasive or corrosive materials, hot or cold, wet or dry. Maximum flexibility permits installation of long, curving lines with few intermediate connections. The "Goodite" tube is exceptionally resistant to severe abrasive wear and the permeation of fluids or gases. The patented wire-reinforced carcass will not kink, buckle or collapse on sharpest bends. The tough, long-wearing cover is impervious to the action of acids or fumes. Standard sizes: 4" to 12", inclusive. For smaller sizes, "Kemite Duct" has similar characteristics.

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For the quick installation of "Goodite" Pipe, "Kemite" Duct, "Goodall" Expansion Joints, or any hose with "Flang-Lok" ends. Bolt holes easily aligned by turning flange only. Standard drilling facilitates bolting to regular pipe flanges for terminal connections. They provide a leakproof, non-metallic, rubber-to-rubber seal. Available in cast iron or cast steel, in sizes up to 96". Flanges up to 24" pipe size are made in two sections; from 30" to 96", inclusive, in four sections.

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CHEMICAL PLANTS STANDARDIZE WITH HOWE TANK AND HOPPER SCALES

Howe tank and hopper scales have become standard equipment in many chemical plants across the United States because of their accurate, trouble-free performance.

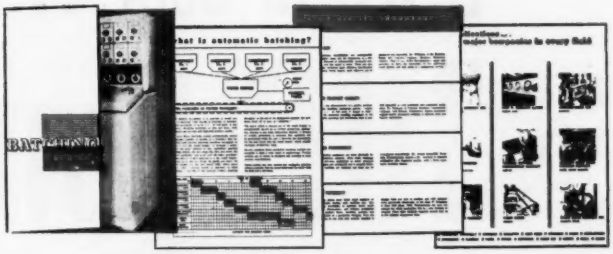
Howe tank scales—accurate to .1%—weigh any shape or size tank, mounted vertically or horizontally. The scale understructure and steel weighbridge provide generous overload tolerances at every point, and the tank and weighbridge ride on ball bearings in specially designed cups to reduce knife edge wear. All pivots and bearings are precision ground from hardened steels; connections are mortised and secured by heavy bolts to eliminate side sway. The scales can be equipped with any type of weight indication: beam, dial, printed ticket or tape, scoreboard, and others.

Howe suspension hopper scales accurately weigh bulk materials for batching, charging, proportioning, filling, compounding, and processing. Available in a wide range of sizes and capacities, they accommodate any size or shape hopper. They can be installed in stationary positions, incorporated into traveling larries or charging cars, and otherwise designed into special equipment. Available with a wide choice of indication, the scales can also be equipped with cut-off and automatic controls—including the modern Howe Batchmaster® which can provide completely automatic control of weighing and mixing.

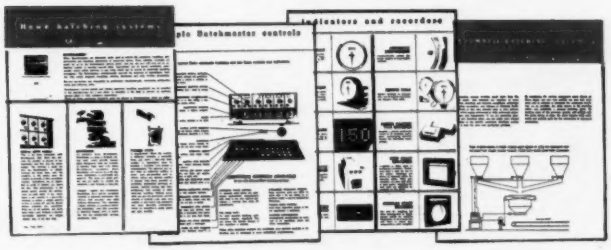
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Complete specifications and a system recommendation may be obtained from the Howe Scale Company, Rutland, Vermont, or by contacting any branch office.

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How to do it
How much it costs
What you need
How to use what you have
How to select the right system

If you are now combining two or more ingredients in any kind of formula or batch, write now for this new automatic batching handbook. It describes in detail how automatic batching works, how to convert existing plant facilities or plan new plants for automatic operation. It illustrates the latest batching systems available, helps you select the right type for your particular needs. Also shows you how to combine materials handling equipment, storage facilities, and weighing equipment for greatest economy, increased production. This is the newest, most complete handbook on automatic batching available—be sure to write for your free copy today!

HOWE

THE HOWE SCALE COMPANY
RUTLAND VERMONT
HOWE SCALES OF CANADA
P. O. Box 848 • Sherbrooke, Quebec

if it's in bulk...

TOTE SYSTEM*

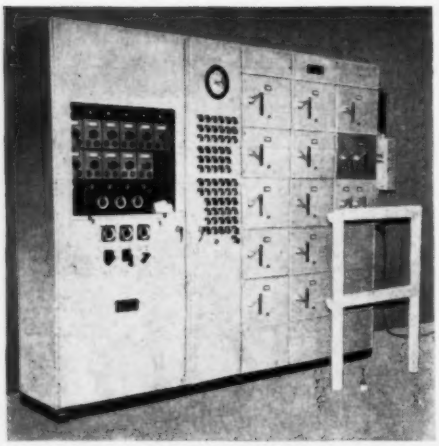
and only Tote will handle it

in-plant or inter-plant

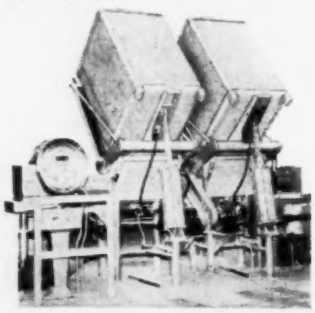
with the efficiency and economy of automation

the flexibility and versatility of unit containers,

and the product protection of sealed containers



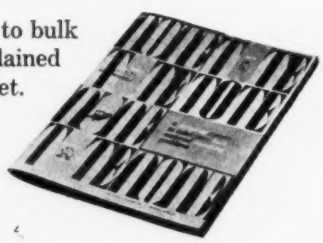
Automatic control panel programmed to weigh 12 ingredients from 12 Tote Discharge Tilts into one mixer.



Two Tote Bins discharging from Tote Tilts into automatic weigh hoppers.

TOTE is a complete, mechanical, fully automatic system based on metal containers plus filling and discharging equipment.

The Tote System answers to bulk handling problems are explained in detail in this new booklet.



Write for it TODAY

TOTE SYSTEM, INCORPORATED

92(So. 7th, Beatrice, Nebraska

Subsidiary of Hoover Ball and Bearing Company

*TOTE AND TOTE SYSTEM Reg. U. S. Pat. Off.

THE BEST WAY . . . THE SWEPCO WAY

THE PIPE YOU JUST ORDERED



LARGE DIAMETER STAINLESS STEEL PIPE —IMMEDIATE DELIVERY FROM SWEPCO DISTRIBUTORS

No more waiting — Your order is filled from warehouse stock.

SIZE RANGES:
2½" - 12" in Schedules 40 and 80 in 20' to 24' lengths
5" - 12" in Schedules 5 and 10 in 20' to 24' lengths

Available in all types of stainless steel and special metals and alloys to 30" OD in walls to 2" thick. Swepco distributors are ready to help you in selecting the exact and most economical grade of pipe for your particular application.
Call or write for full information.

Swepco
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Manufacturers of FFR Full Finished Rock-Forged Pipe and Tubing

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• Alloy Metal Sales Limited • Brown-Wales Company • The Cleveland Tool & Supply Company • Esco Corporation • Esco Limited • Firth Brown Steels Ltd. • Peter A. Frasse & Co., Inc. • R. J. Gallagher Co. • McJunkin Corporation • A. B. Murray Co. • Horace T. Potts Co. • C. A. Roberts Co. • Schnitzer Alloy Products Co. • Service Steel Division, Van Pelt Corporation • Standard Brass & Mfg. Co. • Tubesales • J. M. Tull Metal & Supply Co. • Whitehead Metals, Inc.

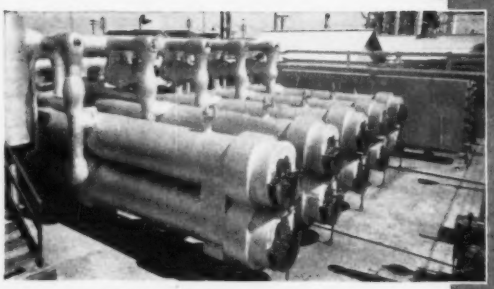
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Designed for today's *Tough* service demands



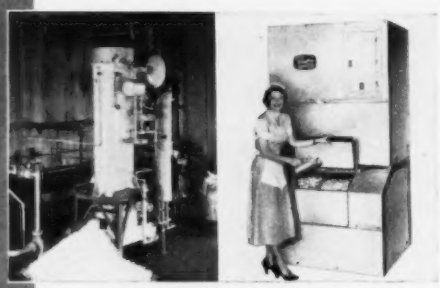
FORGED STEEL VALVES & FITTINGS FOR TOUGHNESS AND TROUBLE-FREE SERVICE

Forged from carbon and alloy steels, Vogt valves, fittings, flanges and unions are built to safely handle liquids and gases at high pressures and temperatures in the modern petroleum refinery and petro-chemical plants. The complete line includes flanged, screwed and socket weld end globe, gate and check valves—ells, tees and crosses—couplings—bushings—plugs—unions—flanges and flange unions—and weld caps.



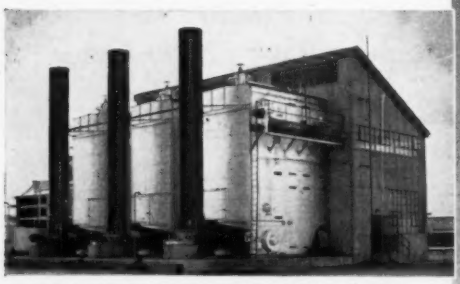
PROCESS EQUIPMENT FOR EVERY SERVICE

Vogt constructs process equipment in wide variety to all Codes. Stills and towers, oil chillers, crystallizers, heat exchangers, molding machines, etc., serve in the manufacture of oils, greases, 100 octane gasoline, synthetic rubber, chemicals and related products around the world.



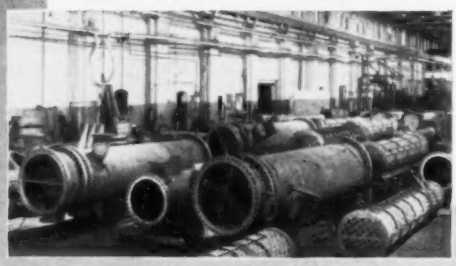
MORE REFRIGERATION TONNAGE AT LESS COST

More than 70 years of engineering and manufacturing experience is incorporated in Vogt refrigerating and ice making equipment. Compression Systems and Tube-Ice Machines in a wide range of capacities serve industrial and processing plants and institutions here and abroad.



HIGH EFFICIENCY STEAM GENERATORS

Vogt steam generators are designed to give maximum rating in a minimum of space, with high efficiency and low maintenance expense. Bent tube and straight tube designs are available for solid, liquid or gaseous fuels to meet every power, process or heating requirement.



SPECIAL MATERIALS COMBAT CORROSION AND PRODUCT CONTAMINATION

Our modern shops produce a wide variety of equipment from special metals and alloys to fight corrosion and product discoloration or contamination. Fabrication procedures insure that corrosion resistant properties of welds will match that of the materials used to construct the equipment.

HENRY VOGT MACHINE CO., LOUISVILLE, KY.

SALES OFFICES:
New York, Chicago, Cleveland, Dallas, Camden, N. J.,
St. Louis, Charleston, W. Va., Cincinnati

PRODUCTS FOR REFINERIES, CHEMICAL PLANTS, POWER PLANTS AND PROCESS INDUSTRIES
Write for literature, Dept. 24A-GCW

EQUIPMENT, CONTAINERS and SUPPLIES

See Equipment Company Directory (pp 626-646) for addresses, telephone numbers and branches. See page 2 for explanation of symbols and "How to Use the Buyers' Guide Issue."

A

ABRASIVES

Aluminum Co of America
Carborundum Co
Electro Refractories & Abrasives Corp
Linde Co
Norton Co
Pangborn Corp
Ravbestos-Manhattan
United States Rubber Co
Wheelabrator Corp

ABSORBERS

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**
►**JOHNS-MANVILLE**

Aerotec Industries
Allied Steel Products Corp
Automotive Rubber Co
Boardman Co
Buflovak Equipment Div
Carbone Corp
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
Delta Tank Mfg Co
Falls Industries
Filtros, Inc
Gas Atmospheres
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Korfund Co
Nooter Corp
National Carbon Co
Packed Column Corp
Podbielniak, Inc
Claude B Schneible Co
Stearns-Roger Mfg Co
United States Stoneware
Vulcan Mfg Co
Wyatt Metal & Boiler Works

ACCUMULATORS

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**

Aldrich Pump Co
Allied Steel Products Corp
Baird-Atomic
Bethlehem Steel Co
Chicago Bridge & Iron Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Engineer Co
Gas Machy Co
Graver Tank & Mfg Co
General American Transportation Corp
MRM Co
Nooter Corp
Pressure Products Industries
Stearns-Roger Mfg Co
Trinity Steel Co
Vilter Mfg Co
Vulcan Mfg

ACCUMULATORS, HYDRAULIC

Aldrich Pump Co
Consolidated Controls Corp
Croll Reynolds Engrg Co
General American Transportation Corp
Graver Tank & Mfg Co
Nooter Corp
Oilgear Co
Parker Hydraulics Div, Parker-Hannifin Corp
Posey Iron Works
Pressed Steel Tank Co
Pressure Products Industries
A O Smith Corp

ACID EGGS

Kennedy Tank & Mfg Co
Knapp Mills Inc
United States Stoneware Co

ACIDULATORS

Allied Steel Products Corp
General American Transportation Corp
Knapp Mills Inc
Nooter Corp
Sturtevant Mill Co

ACTUATORS, MOTOR

Allis-Chalmers Mfg Co
Bowmar Instrument Corp
Conoflow Corp
Electric Autolite
General Controls Co
Jordan Controls

ACTUATORS, VALVE

Allis-Chalmers Mfg Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Conoflow Corp
Continental Mfg Co
Crowell Designs
George W Dahl Co
Fulton-Sylphon Div
General Controls Co
Hammel-Dahl Div
Jordan Controls
Klipfel Valves, Inc
Ladish Co
Leeds & Northrup Co
Leslie Co
Mason-Neilan Div
North American Mfg Co
OPW-Jordan
RKL Controls, Inc
Republic Flow Meters Co
C H Wheeler Mfg Co

ADAPTORS, FITTINGS

Ampco Metal
Chase Brass & Copper Co
Colonial Plastics Mfg Co
Dresser Mfg Div
Haveg Industries
Imperial-Eastman Corp
Manning, Maxwell & Moore, Inc
Parker Fittings & Hose Div
Pfaudler Co Div
Pressure Products Industries
Star Tank & Filter Corp
Stewart-Warner, Alemite Div
Terriss-Consolidated Industries
Victaulic Co of America
Wheaton Brass Works

ADSORPTION APPARATUS

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**
Barnebey-Cheney Co

American Water Softener Co
Buflovak Equipment Div
Cambridge Filter Corp
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
Delta Tank Mfg Co
Desomatic Products Div
Flexonics Corp
Gas Machy Co
Graver Tank & Mfg Co
Haveg Industries
Kahn & Co
National Carbon Co
Nooter Corp
J F Pritchard & Co of Cal
Ronningen-Petter Co
Stearns-Roger Mfg Co
Vic Mfg Co
Vulcan Mfg

AERATORS

Barrington Industries, Inc
►**FULLER CO**

Allied Steel Products Corp
American Water Softener Co
Arrow Tank Co
Bin-Dicator Co
Boardman Co
Chase Brass & Copper Co
Chem-Pure Service Co
Dorr-Oliver Inc
Eimco Corp
General American Transportation Corp
Yeomans Bros Co
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
Infilco Inc
Jeffrey Mfg Co
Link-Belt Co
Nooter Corp
Permutit Co
Sutorbilt Corp
Vulcan Mfg
Walker Process Equipment

AFTERCOOLERS

D J Murray Mfg Co
Niagara Blower Co
►**HENRY VOGT MACH CO**

Acme Industries
R P Adams Co
Allied Steel Products Corp
R M Armstrong Co
Buxton Mfg Co
Carbone Corp
Chicago Pneumatic Tool Co
Condenser Service & Engrg Co
Matt Corcoran Co
Downington Iron Works
Gas Machy Co
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Heatron, Inc
Industrial Process Engrs
Ingersoll-Rand Co
Johnson Corp
Johnson Service Co
Joy Mfg Co
LeRoi Div
Link-Belt Co
Nooter Corp
Norwalk Co
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pennsylvania Pump & Compressor Co
Schramm, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Struthers-Wells Corp
Whitlock Mfg Co
Vic Mfg Co
Vilter Mfg Co
Young Radiator Co

AGITATORS

Barrington Industries, Inc
J H Day Co Div
Eastern Industries
First Machy Corp
D J Murray Mfg Co

Allied Steel Products Corp
Alsop Engrg Corp
Ampco Metal
Bethlehem Steel Co
Boardman Co
Buflovak Equipment Div
Chemineer, Inc
Conn & Co
Delta Tank Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Dorr-Oliver Inc
General American Transportation Corp
Gifford-Wood Co
Hardinge Co
Haveg Industries
Heil Process Equipment Corp
Industrial Process Engrs
International Engrg
Kinetic Dispersion Corp
Knapp Mills Inc
Franklin P Miller & Son
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Ruthman Machy Co
F L Smidth & Co
A O Smith Corp
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss-Consolidated Industries
Wemco Div, Western Machy Co

AGITATORS, AIR

Eastern Industries
First Machy Corp

Alsop Engrg Corp
Chemineer, Inc
Denver Equipment Co
Dorr-Oliver Inc
Gray Co
General American Transportation Corp
Gifford-Wood Co
Haveg Industries
Kennedy Van Saun Mfg & Engrg Corp
M-D Blowers, Inc
Stewart-Warner Corp, Alemite Div
Sutorbilt Corp

AGITATORS, LIQUID

Barrington Industries, Inc
Eastern Industries
First Machy Corp

Allied Steel Products Corp
Alsop Engrg Corp
Chem Flow Corp
Chemineer, Inc
Arthur Colten Co
Conn & Co
Denver Equipment Co
Dorr-Oliver Inc
Ertel Engrg Co
General American Transportation Corp
Gifford-Wood Co
Gray Co
Hardinge Co
Heil Process Equipment Corp
Haveg Industries
Industrial Process Engrs
International Engrg
Kinetic Dispersion Corp
Knapp Mills Inc
Franklin P Miller & Son
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co

(Continued)

AIR Engineering EQUIPMENT

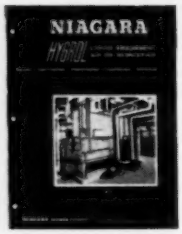
CHEMICAL PLANT EQUIPMENT



Bulletin describes Niagara apparatus for heat removal by the air method, cooling liquids and gasses and condensing vapors; heat and moisture control, vapor equilibrium by direct liquid contact and complete function regulation of air temperature and moisture content.

BULLETIN No. 106

DRYING AND DEHUMIDIFYING



Bulletins illustrate air conditioning, cabinet and drying installations including siccative coatings, paper, plastics, provisions, confectionery, pharmaceuticals, metallurgical uses.

BULLETIN No. 88
BULLETIN No. 140

HIGH PRESSURE STEAM HEATING



Bulletin describes method completely utilizing both the sensible and latent heat of high pressure steam. Trustworthy, long lived equipment for heating or process.

BULLETIN No. 109

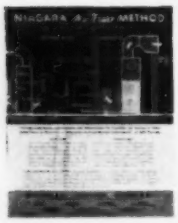
AERO® AFTER COOLER



Describing equipment for cooling compressed air or gases, holding temperatures below ambient atmospheric to prevent condensation of moisture. Includes application to air liquefaction systems.

BULLETIN No. 130

COOLING AND FREEZING



Bulletins describe Niagara "No-Frost" method; production of extreme low temperature for industrial uses or food freezing, precooling and storage.

BULLETIN No. 95
BULLETIN No. 105
BULLETIN No. 138
BULLETIN No. 144

AIR CONDITIONING



Bulletins describe methods of obtaining precise control of temperature and moisture to help you make your product in any climate at any season. Illustrated with diagrams and photographs.

BULLETIN No. 58
BULLETIN No. 122
BULLETIN No. 133

LIQUID COOLING



Cooling for chilled water or solutions, with elimination of freeze-up danger, with rapid chilling of large fluid volume and close temperature control.

BULLETIN No. 104R

VAPOR CONDENSING



Providing high vacuum, independent of a large supply of cooling water. Solves the problems of water supply and disposal. Fully automatic. Saves power. Saves steam.

BULLETIN No. 139-R Refrigerant Condensers
BULLETIN No. 131

AIR CONDITIONER



Bulletin No. 133 (two pages with photos and diagrams) describes coil surface type air conditioners for industrial and commercial applications. Machines are offered in capacities from 41,500 to 1,680,000 BTU/hr. cooling range and 100,000 to 1,480,000 heating range.

BULLETIN No. 133

AERO® HEAT EXCHANGER



Bulletins describe evaporative cooling apparatus that keeps control of temperature within two degrees by modulating the flow of air. Saves 95% of cooling water. Provides heat when needed.

BULLETIN No. 120
BULLETIN No. 132

For further information write Dept. CW

NIAGARA BLOWER COMPANY

405 Lexington Avenue New York 17, N. Y.

AGITATORS, LIQUID (continued)

Perry Products Co
Read Standard Div
Charles Ross & Son Co
Schutte & Koerting Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss-Consolidated Industries
Wemco Div, Western Machy Co

AGITATORS, MECHANICAL

Barrington Industries, Inc
Bonnot Co
Eastern Industries
D J Murray Mfg Co

Allied Steel Products Corp
Alsop Engrg Corp
Arrow Tank Co
Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Chemineer, Inc
Conn & Co
Dorr-Oliver Inc
Ertel Engrg Corp
General American Transportation Corp
General Mach Co of N J
Galigher Co
Gifford-Wood Co
Gray Co
Hardinge Co
Hauser-Stander Tank Co
Haveg Industries
Hodgson Engrg & Mfg Co
Industrial Process Engrs
Jeffrey Mfg Co
Kinetic Dispersion Corp
Link-Belt Co
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Pressure Products Industries
Charles Ross & Son Co
F L Smidth & Co
Star Tank & Filter Corp
Struthers Wells Corp
United States Stoneware Co
Wemco Div, Western Machy

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Eastern Industries

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
Denver Equipment Co
Ertel Engrg Corp
General American Transportation Corp
Gifford-Wood Co
Haveg Industries
Kinetic Dispersion Corp
Knapp Mills Inc
Franklin P Miller & Son
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Pressure Products Industries
Read Standard Div
Charles Ross & Son Co
Star Tank & Filter Corp

AGITATORS, PIPE LINE

Barrington Industries, Inc

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
General American Transportation Corp
Gifford-Wood Co
Haveg Industries
Mixing Equipment Co
Nettco Corp

AGITATORS, PORTABLE

Barrington Industries, Inc
Eastern Industries
First Machy Corp

Alsop Engrg Corp
Arrow Tank Co
Chemineer, Inc
Conn & Co
Ertel Engrg Corp
General American Transportation Corp
Gifford-Wood Co
Gray Co
Haveg Industries
Industrial Process Engrs
Mixing Equipment Co
Nettco Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Stewart-Warner Corp, Alemite Div
Terriss-Consolidated Industries

AGITATORS, STEAM & AIR JET

Croll-Reynolds Co

Eimco Corp
Graham Mfg Co
Heliflow Corp
North American Mfg Co
Heil Process Equipment Corp
Schutte & Koerting Co

AIR CONDITIONING EQUIPMENT

Niagara Blower Co

Acme Industries
American Air Filter Co
Anaconda American Brass Co
Bell & Gossett Co
Buffalo Forge Co
Cambridge Filter Corp
Carrier Corp Div
Crane Co
Clarage Fan Co
Desomatic Products Div
Ellison Draft Gage Co
Ingersoll-Rand Co
Marley Co
Mission Mfg Co
Parks-Cramer Co
Patterson-Kelley Co
Simpson Elec, Batavia Body
Surface Combustion Div
Trane Co
Vilter Mfg Co
Worthington Corp
York Corp
Young Radiator Co

(P) Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

AIR CONDITIONING EQUIPMENT, RECOVERY SYSTEMS

Barnebey-Cheney Co
Niagara Blower Co

Cambridge Filter Corp
Carrier Corp
Metal Textile Corp
Pulverizing Machy Div
Trane Co
York Corp

AIR CONDITIONING EQUIPMENT, SEPARATORS

Du Verre Inc

Cambridge Filter Corp
Metal Textile Corp
York Corp

ALARMS, GAS

Ellison Draft Gage Co
Fischer & Porter Co
Houston Instrument Corp
Johnson-Williams
Leeds & Northrup Co
Mine Safety Appliances
Terriss-Consolidated Industries
Victory Engrg Corp

ALARMS, LIQUID LEVEL

Magnetrol, Inc
Charles F Warrick Co

BIF Industries
Bailey Meter Co
Bin-Dicator Co
Bristol Co
Brooks Instrument Co
Fischer & Porter Co
General Controls Co
Jerguson Gage & Valve Co
Johnson Corp
King Engrg Corp
Leeds & Northrup Co
Lunkenheimer Co
Magnetrol, Inc
McDowell & Miller
Moore Products Co
H A Phillips & Co
Precision Thermometer & Instrument Co
Fred H Schaub Engrg Co
Schutte & Koerting Co
Terriss-Consolidated Industries
Thermo Elec Co
Victory Engrg Corp
Weighing & Controls Inc
Yarnall-Waring Co

ALARMS, PRESSURE

BIF Industries
Bailey Meter Co
Bristol Co
Bryant Industrial Products
Consolidated Controls Corp
Dynamic Filters, Inc
Thomas A Edison Industries
Ellison Draft Gage Co
Fischer & Porter Co
General Controls Co
Grinnell Co
Hastings-Raydist
King Engrg Corp
Leeds & Northrup Co
Moore Products Co
Scott Aviation Corp
Thermo Elec Co
United Elec Controls Co
Weksler Instruments Corp
West Instrument Corp

ALARMS, TEMPERATURE

Atlas Valve Co
BIF Industries
Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Fischer & Porter Co
General Controls Co
Kidde Ultrasonic & Detection Alarms Div
Leeds & Northrup Co
Moore Products Co
Precison Thermometer & Instrument Co
Thermo Elec Co
United Elec Controls Co
Vapor Recovery System Co
Victory Engrg Corp
West Instrument Corp
Weksler Instruments Corp

ALLOYS, ABRASION RESISTING

Bonnet Co

Acipco Steel Products Div
Ampco Metal
Crucible Steel Co of America
Duriron Co
Esco Corp
Haynes Stellite Co
Jessop Steel Co
Huntington Alloy Products Div
Republic Steel Corp
Sel-Rex Corp
Wall Colmonoy Corp

ALLOYS, ALUMINUM

Aluminum Co of America
American Brazing Alloys Co
American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co
Fairmont Aluminum Co
Harvey Aluminum
Kaiser Aluminum & Chem Corp
National Cylinder Gas Div
Read Standard Div
Revere Copper & Brass

ALLOYS, ALUMINUM BRONZE

American Brazing Alloys Co
American Smelting & Refining Co
Ampco Metal
Anaconda American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Revere Copper & Brass

ALLOYS, BERYLLIUM

Ampco Metal
Chase Brass & Copper Co

ALLOYS, CAST

Bonnet Co

Aluminum Co of America
Ampco Metal
Crucible Steel Corp of America
Driver-Harris Co
Duriron Co
Esco Corp
Falk Corp
Haynes Stellite Co
Huntington Alloy Products Div
Wall Colmonoy Corp

ALLOYS, CHROMIUM

Acipco Steel Products Div
Crucible Steel Co of America
Esco Corp
Union Carbide Metals Co

ALLOYS, COBALT

Crucible Steel Co of America
Esco Corp
Haynes Stellite Co
J A Samuel & Co

ALLOYS, COPPER

American Brass Co
American Brazing Alloys Corp
American Smelting & Refining Co
Ampco Metal
Anaconda American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Crucible Steel Co of America
Dalweld Co
Esco Corp
Revere Copper & Brass
Titan Metal Mfg Co

ALLOYS, FERRO

Crucible Steel Co of America
Esco Corp
Falk Corp
Republic Steel Corp
Union Carbide Metals Co

ALLOYS, FUSIBLE

American Smelting & Refining Co
Dalweld Co
Crucible Steel Co of America
Division Lead Co

ALLOYS, HARDSURFACING

Crucible Steel Co of America
Esco Corp
Haynes Stellite Co
Lincoln Elec Co
Edw Renneburg & Sons
Sel-Rex Corp
Wall Colmonoy Corp

ALLOYS, HEAT RESISTING

Bonnet Co

Acipco Steel Products Div
Allegheny Ludlum Steel Corp
Alten Foundry & Mach Works
Anaconda American Brass Co
Calorizing Co
Carpenter Steel Co
Crucible Steel Co of America
Driver-Harris Co
Esco Corp
Haynes Stellite Co
Hoskins Mfg Co
Huntington Alloy Products Div
Jessop Steel Co
Pfaudler Co Div
J A Samuel & Co
Union Steel Corp
Wall Colmonoy Corp

ALLOYS, IMPACT RESISTING

American Smelting & Refining Co
Ampco Metal
Crucible Steel Co of America
Esco Corp
Haynes Stellite Co
Jessop Steel Co
Wall Colmonoy Corp

ALLOYS, LEAD

D F Goldsmith Chem & Metal Co

American Smelting & Refining Co
Division Lead Co
Knapp Mills Inc

ALLOYS, MANGANESE

American Brazing Alloys Corp
American Smelting & Refining Co
Anaconda American Brass Co
Ampco Metal
Chase Brass & Copper Co
Crucible Steel Co of America
Esco Corp
Union Carbide Metals Co

ALLOYS, MOLYBDENUM

Crucible Steel Co of America
Esco Corp
Fansteel Metallurgical Corp

ALLOYS, NICKEL

Acipco Steel Products Div
American Brazing Alloys Corp
American Smelting & Refining Co
Anaconda American Brass Co
Calorizing Co
Carpenter Steel Co
Crucible Steel Co of America
Chase Brass & Copper Co
Dalweld Co
Driver-Harris Co
Esco Corp
Haynes Stellite Co
General Elec Co, Metallurgical Products Dept
Hoskins Mfg Co
Huntington Alloy Products Div
Wall Colmonoy Corp

ALLOYS, NICKEL CHROMIUM

Acipco Steel Products Div
American Smelting & Refining Co
Anaconda American Brass Co
Calorizing Co
Carpenter Steel Co
Crucible Steel Co of America
Driver-Harris Co
Esco Corp
General Elec Co, Metallurgical Products Dept
Haynes Stellite Co
Hoskins Mfg Co
Huntington Alloy Products Div
Union Steel Corp
Wall Colmonoy Corp

ALLOYS, PRECIOUS METAL

D F Goldsmith Chem & Metal Co
L E Simmons Refining Co

American Brazing Alloys Corp
Engelhard Industries
Handy & Harman
J Bishop & Co Platinum Works
J A Samuel & Co
Sel-Rex Corp

ALLOYS, SILVER

D F Goldsmith Chem & Metal Co

American Brazing Alloys Corp
J Bishop & Co Platinum Works
Division Lead Co
Engelhard Industries
Handy & Harman
J A Samuel & Co

ALLOYS, STAINLESS STEEL

Acipco Steel Products Div
Allegheny Ludlum Steel Corp
Bridgeport Brass Co
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Colorado Fuel & Iron Corp
Driver-Harris Co
Duriron Co
Esco Corp
Haynes Stellite Co
Jessop Steel Co
Republic Steel Corp
Union Steel Corp

ALLOYS, TIN

American Smelting & Refining Co
Division Lead Co

ALLOYS, TITANIUM

Crucible Steel Co of America
Esco Corp
Harvey Aluminum
Hoskins Mfg Co
Union Carbide Metals Co

ALLOYS, TUNGSTEN

Esco Corp
Fansteel Metallurgical Corp
Haynes Stellite Co
Union Carbide Metals Co

ALLOYS, ZINC

American Smelting & Refining Co
American Zinc Lead & Smelting Co
Anaconda American Brass Co
Chase Brass & Copper Co

ALUMINUM—INGOTS, SHAPES, ETC.

Aluminum Co of America
American Smelting & Refining Co
Chase Brass & Copper Co
Fairmont Aluminum Co
Falstrom Co
Harvey Aluminum
Read Standard Div
Revere Copper & Brass

AMMETERS, RECORDING

Bristol Co
Thomas A Edison Industries
Esterline Angus Instrument Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co

AMPLIFIERS

Bowmar Instrument Corp
Consolidated Electrodynamics Corp
General Elec Co, Apparatus Sales Div
General Radio Co

(Continued)

►See catalog advertisement (Advertisers Index) See company directory for addresses

AMPLIFIERS (continued)

Geotechnical Corp
Gulton Industries
Gyra Electronics Corp
Hays Corp
Houston Instrument Corp
Jordan Controls
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Oilgear Co
Thermo Elec Co

ANALYSIS APPARATUS, CHROMATOGRAPHIC

Applied Science Labs
►DRESSER ELECTRONICS
Fisher Scientific Co
Standard Scientific Supply Corp

American Instrument Co
Barber-Colman Co
Baroid Div, National Lead Co
Bio-Rad Labs
Consolidated Electrodynamics Corp
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Leeds & Northrup Co
Milton Roy Co
Perkin-Elmer Corp
Podbielniak, Inc
Victory Engrg Corp

ANALYZERS, ELECTROLYTIC

Eberbach Corp
Ellison Draft Gage Co
Leeds & Northrup Co

ANALYZERS, GAS

Fisher Scientific Co

Apex Scientific Co
Bailey Meter Co
Baird-Atomic, Inc
Baroid Div, National Lead Co
Beckman Instruments, Scientific & Process Instruments Div
Cambridge Instrument Co
Coleman Instruments
Consolidated Electrodynamics Corp
Consolidated Vacuum Corp
Engelhard Industries
F & M Scientific Corp
General Elec Co, Apparatus Sales Div
Fischer & Porter Co
Industrial Instruments
Johnson-Williams
Laboratory Equipment Corp
Leeds & Northrup Co
Milton Roy Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
National Instruments Labs, Inc
Perkin-Elmer Corp
Permutit Co
Podbielniak, Inc
Thermco Instrument Corp
Victory Engrg Corp

ANALYZERS, HYDROGEN

Fisher Scientific Co

Cambridge Instrument Co
Coleman Instruments
Engelhard Industries
Industrial Instruments
Johnson-Williams
Laboratory Equipment Corp
Leeds & Northrup
Thermco Instrument Corp

ANALYZERS, INFRARED

Baird-Atomic, Inc
Ellison Draft Gage Co
Leeds & Northrup Co
Mine Safety Appliances
Perkin-Elmer Corp

ANALYZERS, OXYGEN

New Jersey Safety Equipment Co

Bailey Meter Co
Cambridge Instrument Co
Engelhard Industries
Industrial Instruments
Leeds & Northrup Co
Laboratory Equipment Corp
Milton Roy Co
Mine Safety Appliances
Thermco Instrument Corp

ANALYZERS, PHOTOELECTRIC

Bausch & Lomb Inc
Laboratory Equipment Corp
Coleman Instruments
Minneapolis-Honeywell, Industrial Products

ANALYZERS, SOUND

General Radio Co
Mine Safety Appliances
Simpson Electric Co

ANNUNCIATORS

Fischer & Porter Co
Industrial Process Engrs

ANODES, BRASS

American Smelting & Refining Co
Revere Copper & Brass
Anaconda American Brass Co

ANODES, BRONZE

American Smelting & Refining Co
Anaconda American Brass
Revere Copper & Brass

ANODES, CADMIUM

American Smelting & Refining Co
Division Lead Co

ANODES, COPPER

►METAL & THERMIT CORP

Anaconda American Brass Co
American Smelting & Refining Co
Chase Brass & Copper Co
Revere Copper & Brass
Sel-Rex Corp

ANODES, GRAPHITE

Duriron Co
International Graphite & Electrode Div
National Carbon Co
Wallace & Tiernan Inc

ANODES, HIGH SILICON IRON

Duriron Co
Wallace & Tiernan Inc

ANODES, LEAD

►METAL & THERMIT CORP

American Smelting & Refining Co
Division Lead Co
Hauser-Stander Tank Co
Heil Process Equipment Corp
Hewitt-Robins
Knapp Mills Inc
United States Stoneware Co
Wallace & Tiernan Inc

ANODES, MAGNESIUM

Ansul Chem Co
Dow Chem Co

American Smelting & Refining Co
Hewitt-Robins
Wallace & Tiernan Inc

ANODES, NICKEL

►METAL & THERMIT CORP

American Smelting & Refining Co
Bridgeport Brass Co
Esco Corp
Hewitt-Robins
Sel-Rex Corp
Wallace & Tiernan Inc

ANODES, PLATINUM

D F Goldsmith Chem & Metal Co

Engelhard Industries
Hewitt-Robins
Sel-Rex Corp
Wallace & Tiernan Inc

ANODES, SILVER

D F Goldsmith Chem & Metal Co

American Smelting & Refining Co
Engelhard Industries
Sel-Rex Corp
Wallace & Tiernan Inc

ANODES, TIN

►METAL & THERMIT CORP

American Smelting & Refining Co
Division Lead Co
American Zinc, Lead & Smelting Co

ANODES, ZINC

►METAL & THERMIT CORP

American Smelting & Refining Co
Sel-Rex Corp
Wallace & Tiernan Inc

APPAREL, INDUSTRIAL

New Jersey Safety Equipment Co

American Optical Co
M Setlow & Son
M L Snyder & Son
United States Rubber Co
Workton, Inc

APRONS—RUBBER, PLASTIC, LABORATORY, NEOPRENE

Fisher Scientific Co
►JOHNS-MANVILLE
Neirad Industries
United States Rubber Co, Textile Div

American Optical Co
Robert Busse & Co
Gates Rubber Co
Kennedy Car Liner & Bag Co
Pelamay Products
Polyfab Co
Raybestos-Manhattan
M Setlow & Son
M L Snyder & Son
United States Safety Service Co

ASBESTOS, FILTERING

Brasites Products Corp
►JOHNS-MANVILLE
National Filter Media Corp
United States Rubber Co, Textile Div

American Smelting & Refining Co
Cellulo Co
Ertel Engrg Corp
Industrial Filter & Pump Mfg Co
Raybestos-Manhattan

ASBESTOS, MOLDED

►JOHNS-MANVILLE
United States Rubber Co, Textile Div

Eagle-Picher Co
Garlock Inc
Greene, Tweed & Co
Haveg Industries
Raybestos-Manhattan

ASH HANDLING SYSTEMS

Allen-Sherman-Hoff Co
Beaumont Birch Co
Brady Conveyors Corp
Buell Engrg Co
Chain Belt Co
Delta Tank Mfg Co
General Mach Co of N J
Hewitt-Robins
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Materials Handling Equipment Co
National Conveyors Co

ASPIRATORS

Bryant Industrial Products
Hewitt-Robins
S Howes Co

AUTOCLAVES, HIGH PRESSURE

First Machy Corp

Allied Steel Products Corp
American Car & Foundry Div
American Instrument Co
Artisan Metal Products
Autoclave Engrs Sales Corp
Barnstead Still & Sterilizer Co
Bethlehem Steel Co
Bros, Inc
Buflovak Equipment Div
Chicago Bridge & Iron Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Controlled Atmosphere Enclosures Mfg Co
Delta Tank Mfg Co
Downingtown Iron Works
Erie City Iron Works
Foster Wheeler Corp
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Parr Instrument Co
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Posey Iron Works
Pressure Products Industries
A O Smith Corp
Stainless Products
Star Tank & Filter Corp
Stover Co
Struthers Wells Corp
Trinity Steel Co
Union Iron Works
Wurster & Sanger

AUTOCLAVES, INDUSTRIAL

First Machy Corp
Standard Steel Corp

Allied Steel Products Corp
American Car & Foundry Div
American Sterilizer Co
Artisan Metal Products
Bethlehem Steel Co
Bros, Inc
Buflovak Equipment Div
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
J P Devine Mfg Co
Engineering Controls
Erie City Iron Works
Foster Wheeler Corp
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Knapp Mills Inc
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Pfaudler Co Div
Posey Iron Works
Pressure Products Industries
Edw Renneburg & Sons Co
Ernest Scott & Co
Stainless Products
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Trinity Steel Co
Union Iron Works
Vulcan Mfg
Whitlock Mfg Co

AUTOCLAVES, LABORATORY

Fisher Scientific Co

American Sterilizer Co
Artisan Metal Products
Autoclave Engrs Sales Corp
Barnstead Still & Sterilizer Co
Bros, Inc
Buflovak Equipment Div
Buxton Mfg Co
R D Cole Mfg Co
Controlled Atmosphere Enclosures Mfg Co

(Continued)

Erie City Iron Works
Foster Wheeler Corp
Hewitt-Robins
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Old Dominion Iron & Steel Corp
Patterson Foundry & Mach Co
Parr Instrument Co
Pfaudler Co Div
Pressure Products Industries
Star Tank & Filter Corp
Syntron Co

AUTOMATION SYSTEMS

►HOWE SCALE CO

BIF Industries
Bowmar Instrument Corp
Del Electronics Corp
Jordan Co
Leeds & Northrup Co
Ladish Co, Tri-Clover Div
R C Mahon Co
Sel-Rex Corp

AUTOPOSITIVE PAPER

Eastman Kodak Co

B

BAG CLOSING MACHINES

Union Bag-Camp Paper Corp

Better Packages
Consolidated Packaging Machy Corp
Bemis Bro Bag Co
B F Gump Co
Kraft Bag Div
St Regis Paper Co

BAG TIES, WIRE

Belmont Burlap Bag Co
Protective Lining Corp
St Regis Paper Co

BAGS, BURLAP

►CHASE BAG CO

Belmont Burlap Bag Co
Bemis Bro Bag Co
St Regis Paper Co
Packaging Products & Design Corp

BAGS, CANVAS

Belmont Burlap Bag Co
Filtration Fabrics Div
Lamports Co
Packaging Products & Design Corp
Paul O Young Co

BAGS, COTTON

Brosites Products Corp
►CHASE BAG CO

Belmont Burlap Bag Co
Buell Engrg, Northern Blower Div
Bemis Bro Bag Co
Lamports Co
Packaging Products & Design Corp
St Regis Paper Co

BAGS, FILTER see Filter Bags

BAGS, MULTI-WALL

►CHASE BAG CO
►CONTINENTAL CAN CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
Cromwell Paper Co
International Paper Co
Kennedy Car Liner & Bag
Kraft Bag Div
Olin Mathieson, Packaging Div
Owens-Illinois Glass Co, Multiwall Bag Div
Raymond Bag Corp
St Regis Paper Co
West Virginia Pulp & Paper, Multiwall Bag Div

BAGS, PAPER

►CHASE BAG CO
►CONTINENTAL CAN CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
Cromwell Paper Co
Hedwin Corp
International Paper Co
Kennedy Car Liner & Bag
Kraft Bag Co
Olin Mathieson, Packaging Div
Raymond Bag Corp
St Regis Paper Co
West Virginia Pulp & Paper, Multiwall Bag Div

BAGS, PLASTIC

►CHASE BAG CO
►CONTINENTAL CAN CO

Belmont Burlap Bag Co
Better Containers Mfg Co
Flexi-Liner Co
Gering Plastics Div
Industrial Can Co
Kennedy Car Liner & Bag
Pelamay Products
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem Corp

BAGS, POLYETHYLENE LINED

►CHASE BAG CO
►CONTINENTAL CAN CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
Industrial Can Co
International Paper Co
Kennedy Car Liner & Bag Co
Kraft Bag Div
Olin Mathieson, Packaging Div
Owens-Illinois Glass Co, Multiwall Bag Div
Packaging Products & Design Corp
Pelamay Products
Protective Lining Corp
Raymond Bag Corp
Reliance Plastic & Chem Corp
St Regis Paper Co
West Virginia Pulp & Paper, Multiwall Bag Div

BAGS, VALVE, PAPER

►CHASE BAG CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
International Paper Co
Kraft Bag Div
Olin Mathieson, Packaging Div
Owens-Illinois Glass Co, Multiwall Bag Div
Raymond Bag Corp
St Regis Paper Co

BAGS, WATERPROOF

►CHASE BAG CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
Cromwell Paper Co
Kennedy Car Liner & Bag Co
International Paper Co
Owens-Illinois Glass Co, Multiwall Bag Div
Packaging Products & Design Corp
Protective Lining Corp
Raymond Bag Corp
Reliance Plastic & Chem Corp
St Regis Paper Co

BAGS, WAXED

►CONTINENTAL CAN CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Bemis Bro Bag Co
Cromwell Paper Co
International Paper Co
Kennedy Car Liner & Bag Co

BALANCES, ANALYTICAL

Fisher Scientific Co
Standard Scientific Supply Corp

Wm Ainsworth & Sons
American Instrument Co
Seederer-Kohlbusch, Soiltest, Inc
Torsion Balance Co

BALANCES, GAS DENSITY

Fisher Scientific Co

BALLS, FLOAT

Alloy Products Corp
Luzerne Rubber Co
Scientific Glass Apparatus Co
Micro Instrument Co
Terriss-Consolidated Industries

BALLS FOR BALL MILLS

Paul O Abbe Inc

Abbe Engrg Co
Allis-Chalmers Mfg Co
Colorado Fuel & Iron
Engineering Castings
Esco Corp
Kennedy Van Saun Mfg & Engrg Corp
Hardinge Co
McDanel Refractory Porcelain Co
Patterson Foundry & Mach Co
United States Stoneware Co

BALLS, STEEL & SPECIAL METAL

Abbe Engrg Co
Crucible Steel Co of America
Division Lead Co
Esco Corp
Haynes Stellite Co
SKF Industries
Patterson Foundry & Mach Co
United States Stoneware Co

BAROMETERS

Fisher Scientific Co

Bristol Co
Manning, Maxwell & Moore, Inc
Eberbach Corp
Wallace & Tiernan Inc

BARREL & BAG FILLING MACHINES

Union Bag-Camp Paper Corp

General Mach Co of N J
S Howes Co
Kraft Bag Div
Munson Mill Machy Co
Raymond Bag Corp
Richardson Scale Co
St Regis Paper Co

BARREL COVERS, PAPER

►CHASE BAG CO

BARREL COVERS, VINYL PLASTIC

►CHASE BAG CO

Gering Plastics Div
Pelamay Products
Polyfab Co
Protective Lining Corp
Reliance Plastics & Chem Corp

BARREL LIFTERS

Barrett-Cravens Co
Hodgson Engrg & Mfg Co
Little Giant Products
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp

BARREL LINERS

►CHASE BAG CO

Automotive Rubber Co
Better Containers Mfg Co
Bishopric Products Co
Continental Can Co, Flexible Packaging Div
Flexi-Liner Co
Gering Plastics Div
Hodgson Engrg & Mfg Co
Packaging Products & Design Corp
Pelamay Products
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem Corp

BARREL STANDS

New Jersey Safety Equipment Co

Abbe Engrg Co
American Pulley Co
Bethlehem Steel Co
Fairbanks Co
Hodgson Engrg & Mfg Co
Terriss-Consolidated Industries
West Bend Equipment Corp
Paul O Young Co

BARREL TILTERS

New Jersey Safety Equipment Co

American Pulley Co
Hodgson Engrg & Mfg Co
Little Giant Products
Revolvator Co
Uhrden, Inc
Terriss-Consolidated Industries
West Bend Equipment Corp
Paul O Young Co

BARREL TUMBLERS

Abbe Engrg Co

BARREL WASHERS

Hodgson Engrg & Mfg Co

BARRELS, ALUMINUM

General Container Co

Aluminum Co of America

BARRELS, FIBER

General Container Co

Delaware Barrel & Drum Co
Middlesex Paper Tube
Rheem Mfg Co, Container Div

BARRELS, REMOVABLE COVER

General Container Co

Delaware Barrel & Drum
Eastern Steel Barrel Corp
Fetter Steel Barrel Corp
Rheem Mfg Co, Container Div
Southline Metal Products Co
U S Steel Products Div
Vulcan Containers

BARRELS, RUBBER-LINED

►GOODALL RUBBER CO

American Hard Rubber Co
Automotive Rubber Co
B F Goodrich Industrial Products Co
Knapp Mills Inc
Raybestos-Manhattan
United States Rubber Co

BARRELS, STEEL

►CONTINENTAL CAN CO, METAL DIV
General Container Co
American Flange & Mfg Co
Delaware Barrel & Drum Co
Eastern Steel Barrel Corp
Fetter Steel Barrel Corp
Pressed Steel Tank Co
Republic Steel Corp
Rheem Mfg Co, Container Div
Southline Metal Products Co
U S Steel Products Div
Vulcan Containers

BARRELS, WOOD

►GREIF BROS COOPERAGE CORP

BASE PLATES

Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Dodge Mfg Corp
Industrial Process Engrs
Link-Belt Co

BASKETS, ALLOY

Allied Steel Products Corp
Cambridge Wire Cloth Co
Newark Wire Cloth Co
Republic Steel Corp

BASKETS, CENTRIFUGAL

Heyl & Patterson, Inc
Kirk & Blum Mfg Co
Pfaudler Co Div
Sharples Corp, Fletcher Div
Edw Renneburg & Sons Co
Tolhurst Centrifugals Div
Western States Mach Co

BASKETS, HARD RUBBER

►GOODALL RUBBER CO
American Hard Rubber Co
Automotive Rubber Co
Luzerne Rubber Co

BASKETS, RUBBER COVERED

►GOODALL RUBBER CO
American Hard Rubber Co
Automotive Rubber Co
Newark Wire Cloth Co
Pfaudler Co Div
Raybestos-Manhattan
Sharples Corp
Union Steel Chest Corp
Western States Mach Co

BASKETS, STONEWARE

United States Stoneware Co

BASKETS, TANTALIUM

Haynes Stellite Co
Pfaudler Co Div

BATHS, CONSTANT TEMPERATURE

Fisher Scientific Co
Standard Scientific Supply Corp
American Instrument Co
Apex Scientific Co
Electric Hotpack Co
Hallikainen Instruments
Platecoil Div
Soiltest, Inc
Thermolyne Corp
Victory Engrg Corp

BATHS, OIL

American Gas Furnace Co
American Instrument Co
C W Brabender Instruments
Apex Scientific Co
Electric Hotpack Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments

BATHS, WATER

Fisher Scientific Co
Standard Scientific Supply Corp
American Instrument Co
C W Brabender Instruments
Brooklyn Blower & Pipe
Electric Hotpack Co
Gardner Lab
Hallikainen Instruments
Island Equipment Corp
Laboratory Furniture Co
Soiltest, Inc
Victory Engrg Corp

BATTERIES, DRY

Burgess Battery Co
Carbone Corp
United States Rubber Co

BATTERIES, STORAGE

Electric Autolite Co
Exide Industrial Div
Gates Rubber Co
Gulton Industries
United States Rubber Co

BEAKERS

Fisher Scientific Co
American Hard Rubber Co
Corning Glass Works
Fischer & Porter Co
Soiltest, Inc

BEAKERS, STAINLESS STEEL

Fisher Scientific Co
Terriss-Consolidated Industries

BEARINGS, ACID RESISTING

Carbone Corp
Haveg Industries
Haynes Stellite Co
Knapp Mills Inc
Link-Belt Co
Polymer Corp
Tri-Point Plastics Inc

BEARINGS, BALL

Dodge Mfg Corp
Link-Belt Co
SKF Industries
Stephens-Adamson Mfg Co

BEARINGS, ROLLER

Chain Belt Co
Dodge Mfg Co
Link-Belt Co
SKF Industries
Timken Roller Bearing Co

BELLOWS, BRASS, BRONZE

Flexible Tubing Co
Flexonics Div
Fulton Sylphon Div

BELLOWS, RUBBER & DUCK

►GOODALL RUBBER CO
Acushnet Process Co
Automotive Rubber Co
Roberts Toledo Rubber Co

BELLOWS, STAINLESS STEEL

Anaconda Metal Hose Div
Badger Mfg Co
Croll-Reynolds Engrg Co
Flexonics Div
Fulton Sylphon Div
Tube Turns Div
Zallea Bros

BELLOWS, SYNTHETIC RESIN

Chicago-Allis Mfg Corp
Chicago Gasket Co
Resistoflex Corp
Sterling Packing & Gasket Co

BELTS, CONVEYOR & ELEVATOR

►GOODALL RUBBER CO
American Biltrite Rubber Co
Baughman Mfg Co
Beaumont Birch Co
Cambridge Wire Cloth Co
Cincinnati Rubber Mfg Co
Colorado Fuel & Iron Corp
Gates Rubber Co
Gifford-Wood Co
B F Goodrich Industrial Products Co
Hewitt-Robins
S Howes Co
Link-Belt Co
Manufacturers Equipment Co
Mercer Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Read Standard Div
Republic Rubber Div
Russell Mfg Co
Sandvik Steel
United States Rubber Co

BELTS, POWER TRANSMISSION

►GOODALL RUBBER CO
Acushnet Process Co
American Biltrite Rubber Co
Chicago-Allis Mfg Corp
Cincinnati Rubber Mfg Co
Dodge Mfg Corp
Gates Rubber Co
B F Goodrich Industrial Products Co
Hewitt-Robins
E F Houghton & Co
Link-Belt Co
Mercer Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Russell Mfg Co
United States Rubber Co

BELTS, V

American Biltrite Rubber Co
American Pulley Co
Dodge Mfg Corp
Gates Rubber Co
B F Goodrich Industrial Products Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

BENDERS, TUBE

Chase Brass & Copper Co
Imperial-Eastman Corp
Parker Fillings & Hose Div
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div

BINS

►TOTE SYSTEM, INC
Artisan Metal Products
Automotive Rubber Co
Barber-Greene Co
Bishopric Products Co
Boardman Co
Central Steel & Tank Co
Continental Boiler & Sheet Iron Works
Day Co
Delta Tank Mfg Co
General American Transportation Corp
Gifford-Wood Co
Hewitt-Robins
S Howes Co
Kalamazoo Tank & Silo Co
Kennedy Tank & Mfg Co
Leader Iron Works
Link-Belt Co
Lippmann Engrg Works
R C Mahon Co
Manitowoc Shipbuilding, Inc
Munson Mill Machy Co
Nooter Corp
Joseph Oat & Sons
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Republic Steel Corp
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Todd Shipyards Corp
Trinity Steel Co

BINS, STORAGE

►TOTE SYSTEM, INC
Allied Steel Products Corp
Automotive Rubber Co
Barber-Greene Co
Bethlehem Steel Co
Bishopric Products Co
Central Steel & Tank Co
Chempro Equipment Co
Continental Boiler & Sheet Iron Works
Day Co
Delta Tank Mfg Co
Denver Equipment Co
Falstrom Co
Flexi-Liner Co
General American Transportation Corp
Graver Tank & Mfg Co
Hewitt-Robins
S Howes Co
Kalamazoo Tank & Silo Co
Kennedy Tank Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Inc
Manufacturers Equipment Co
National Conveyors Co
Nooter Corp
Joseph Oat & Sons
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Read Standard Div
Edw Renneburg & Sons Co
Republic Steel Corp
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Trinity Steel Co
United States Rubber Co
Universal Road Machy Co
Wyatt Metal & Boiler Works Div

BLAST CLEANING EQUIPMENT

Pangborn Corp
Wheelabrator Corp

BLENDERS, CONE

Paul O Abbe Inc
First Machy Corp
Allied Steel Products Corp
Arthur Colton Co
J P Devine Mfg Co
General Mach Co of N J
Gruendler Crusher & Pulverizer Co
Hewitt-Robins
S Howes Co
Industrial Process Engrs
International Engrg
Johnson-March Corp
Kennedy Tank & Mfg Co
Kinetic Dispersion Corp
Komline-Sanderson Engrg Corp
Leader Iron Works, Inc
Manitowoc Shipbuilding, Inc
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
A O Smith Corp

BLENDERS, DRY

Paul O Abbe Inc
Bonnot Co
J H Day Co Div
First Machy Corp
►FULLER CO
Abbe Engrg Co
Boardman Co
Controlled Atmosphere Enclosures Mfg Co
J P Devine Mfg Co
Entoleter, Inc
General Mach Co of NJ
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hayes Stolz Industrial Co
Hewitt-Robins
S Howes Co
Industrial Process Engrs
International Engrg
Kinetic Dispersion Corp
Jeffrey Mfg Co
Jordan Controls
Leader Iron Works
Franklin P Miller & Son
Manitowoc Shipbuilding, Inc
Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Posey Iron Works
Rapids Machy Co
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co
United States Stoneware Co
Wallace & Tiernan Inc
Young Machy Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

BLENDERS, HORIZONTAL

Paul O Abbe Inc
Bonnot Co
J H Day Co Div
First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Boardman Co
Chemicolloid Labs Inc
Colonial Iron Works Co
General American Transportation Corp
Gruendler Crusher & Pulverizer Co
Hayes & Stolz Industrial Co
S Howes Co
Industrial Process Engrs
Lancaster Chem Corp
Leader Iron Works
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Posey Iron Works
Rapids Machy Co
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Struthers Wells Corp
Sturtevant Mill Co
Young Machy Co

BLENDERS, LIQUID FEED

Paul O Abbe Inc
J H Day Co Div

Abbe Engrg Co
BIF Industries
S Blickman, Inc
Chemicolloid Labs Inc
J P Devine Mfg Co
General American Transportation Corp
General Mach Co of N J
Gifford-Wood Co
Hayes & Stolz Industrial Co
S Howes Co
Johnson-March Corp
Jordan Controls
W A Kates Co
Kinetic Dispersion Corp
Myers Sherman Co
Mixing Equipment Co
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Read Standard Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Wallace & Tiernan Inc
Young Machy Co

►See catalog advertisement (Advertisers Index)
See company directory for addresses

DO YOU GRIND, MIX, BLEND OR DRY?

If so, you will want this Paul O. Abbé literature:

"Rota-Cone Blenders & Vacuum Dryers"—12 page bulletin, C-1.

"Mass & Paste Mixers—Ribbon Blenders"—Catalog D. 12 pages of descriptive material, specifications.

"Ball & Pebble Mill Catalog, B-1"—with 32 pages of information regarding design, construction, sizes, and operation.

"Jar Mills for Laboratory & Small Production—Section A, Catalog Y"—24 pages of descriptive and technical information.

"Grindings & Mixings," monthly house publication with installation stories and information about new Paul O. Abbé developments in design and equipment.

"Handbook of Ball & Pebble Mill Operation"—32 pages of important information.

PAUL O. ABBÉ INC
381 Center Avenue
Little Falls, New Jersey



WHAT'S YOUR SPECIAL PROCESSING PROBLEM in these categories? Would continuous vs. batch processing be worthwhile?

When worm-type extruders . . . blade or worm-type mixers . . . are vital to your production picture, Bonnot equipment can "fill in the details" efficiently, economically and swiftly. As a starter . . .

In our expanded test laboratory, there are complete and modern facilities for processing samples of your material. This testing . . . plus experienced evaluation of results . . . is available to you without cost or obligation.

In addition to the chemical and plastics fields, industries served by Bonnot processing equipment include ceramics, soaps, minerals, brake linings, caulking materials, charcoal briquettes, yeasts, animal foods, fertilizers, etc. For all of them, Bonnot machines are "tailored by test" to do specific jobs.

Built on 75 years of experience, plus all the Gougler facilities, Bonnot engineering and research are at your call. Inquiries that define particular problems as completely as possible save time in supplying usable data and arranging for tests. Phone, wire or write today for prompt action!

Today — phone, wire or write . . .
the BONNOT Co.
CANTON 2, OHIO
B Division
The C. L. Gougler Machine Co. • Kent, Ohio

BLENDERS, SPIRAL

Paul O Abbe Inc
Bonnot Co
J H Day Co Div
First Machy Corp

Ampco Metal
J P Devine Mfg Co
Graver Tank & Mfg Co
S Howes Co
Industrial Process Engrs
Jeffrey Mfg Co
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Posey Iron Works
Prater Pulverizers
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Young Machy Co

BLENDERS, TUMBLING-V

First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
Arthur Colton Co
Hodgson Engrg & Mfg Co
Industrial Process Engrs
Nooter Corp
Patterson-Kelley Co
Read Standard Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
A O Smith Corp

BLOWERS, CENTRIFUGAL

Du Verre, Inc
Niagara Blower Co

Aerotec Industries
Allis-Chalmers Mfg Co
American Air Filter Co
Buell Engrg, Northern Blower Div
Buffalo Forge Co
Carrier Corp
Clarage Fan Co
Coppus Engrg Corp
Day Co
Eclipse Fuel Engrg Co, Combustion Div
Elliott Co
Fly Ash Arrestor Corp
General Blower Co
Hartzell Propeller Fan Co
Heil Process Equipment Corp
Haveg Industries
Ingersoll-Rand Co
Joy Mfg Co
National Conveyors Co
North American Mfg Co
Peerless Elec Co
Prater Pulverizer Co
Pyronics, Inc
Edw Renneburg & Sons
Robbins & Myers, Propel-lair Fan Div
Roots-Connersville Blower
Rotron Mfg Co
Spencer Turbine Co
Sprout, Waldron & Co
Sutorbilt Corp
Worthington Corp

BLOWERS, LABORATORY

Buffalo Forge Co
Haveg Industries
Heil Process Equipment Corp
Lehigh Fan & Blower Div
M-D Blowers, Inc
Pyronics, Inc
Rotron Mfg Co
Sutorbilt Corp

BLOWERS, PORTABLE

Buffalo Forge Co
Coppus Engrg Corp
General Blower Co
Joy Mfg Co
Lehigh Fan & Blower Div
M-D Blowers, Inc
Myers Sherman Co
North American Mfg Co
Rotron Mfg Co
Sprout, Waldron & Co

BLOWERS, SOOT

Buffalo Forge Co
Chicago Pneumatic Tool Co
Clarage Fan Co
Copes-Vulcan Div
Cooper-Bessemer Corp
Ingersoll-Rand Co
Pennsylvania Pump & Compressor Co
Roots-Connersville Blower

BLOWERS, STEAM JET

Croll-Reynolds Co

Artisan Metal Products
Graham Mfg Co, Heliflow Corp
Haveg Industries
Heil Process Equipment
Ingersoll-Rand Co
Schutte & Koerting Co

BLOWERS, TURBINE

Allis-Chalmers Mfg Co
Coppus Engrg Corp
Elliott Co
General Blower Co
Heil Process Equipment
Myers Sherman Co
North American Mfg Co
Spencer Turbine Co
L J Wing Mfg Co

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L-A Water Conditioning Inc

American Water Softener Co
Cochrane Div
Graver Water Conditioning Co
Kaye & MacDonald
Permutit Co
Fred H Schaub Engrg Co
Whitlock Mfg Co

BOILER FEED WATER SYSTEMS

L-A Water Conditioning Inc
Magnetrol, Inc
Charles F Warrick Co
American Water Softener Co
Bailey Meter Co
Chem-Pure Service Co
Clark-Cooper Div
Condenser Service & Engrg Co
Copes-Vulcan Div
Eclipse Fuel Engrg Co, Boiler Div
Elgin Softener Corp
Fischer & Porter Co
Foster Wheeler Corp
Graver Water Conditioning Co
Infilco Inc
Leeds & Northrup Co
McDonnell & Miller
Milton Roy Co
Palo Lab Supplies
Fred H Schaub Engrg Co
Whitlock Mfg Co
Worthington Corp

BOILER WATER CONTROL EQUIPMENT

Magnetrol, Inc
Charles F Warrick Co

Bailey Meter Co
Culligan, Inc
Fischer & Porter Co
Foster Wheeler Corp
General Controls Co
Graver Water Conditioning Co
Industrial Instruments
Infilco Inc
LaMotte Chem Products Co
Leeds & Northrup Co
Leslie Co
Lunkenheimer Co
Magnetrol, Inc
McDonnell & Miller
Republic Flow Meters Co
Fred H Schaub Engrg Co
W A Taylor & Co
Yarnall-Waring Co

BOILERS, FIRE TUBE

►**HENRY VOGT MACH CO**

Ames Iron Works
Carrier Corp
Cleaver-Brooks Co
Combustion Engrg
Erie City Iron Works
Eclipse Fuel Engrg Co, Boiler Div
Orr & Sembower
Ray Oil Burner Co
Struthers Wells Corp

BOILERS, HIGH PRESSURE

►**HENRY VOGT MACH CO**

Ames Iron Works
Bros, Inc
Carrier Corp
Cleaver-Brooks Co
Combustion Engrg
Eclipse Fuel Engrg Co, Boiler Div
Erie City Iron Works
Foster Wheeler Corp
International Boiler Works Co
E Keeler Co
Orr & Sembower
Ray Oil Burner Co
Riley Stoker Corp
Struthers Wells Corp
Union Iron Works
Vapor Heating Corp

BOILERS, INTEGRAL FURNACE

Bros, Inc
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
E Keeler Co
Ray Oil Burner Co
Riley Stoker Corp
Struthers Wells Corp
Union Iron Works

BOILERS, WASTE HEAT

►**ALLIED CHEM CORP, SEMET SOLVAY ENGRG DIV**
►**HENRY VOGT MACH CO**

Ames Iron Works
Bros, Inc
Brown Fintube Co
Buxton Mfg Co
Combustion Engrg
Downingtown Iron Works
Engineering Controls
Erie City Iron Works
Foster Wheeler Corp
Gas Machy Co
International Boiler Works Co
E Keeler Co
M W Kellogg Co
Riley Stoker Corp
Southwestern Engrg Co
Struthers Wells Corp
Union Iron Works
Whitlock Mfg Co

BOILERS, WATER TUBE

►**HENRY VOGT MACH CO**

Bros, Inc
Carrier Corp
Clayton Mfg Co
Cleaver-Brooks Co
Combustion Engrg
Condenser Service & Engrg Co
Erie City Iron Works
Foster Wheeler Corp
International Boiler Works Co
Ray Oil Burner Co
Riley Stoker Corp
Struthers Wells Corp
Vapor Heating Corp

BOMBS, OXYGEN

Fisher Scientific Co

Alloy Products Corp
Parr Instrument Co

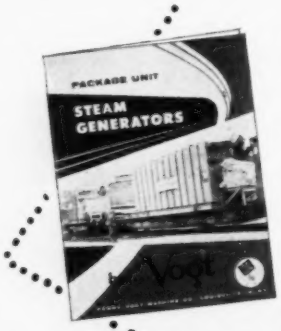
BOMBS, SODIUM PEROXIDE

Fisher Scientific Co

Parr Instrument Co

BOOSTERS

Croll-Reynolds Co
►**FULLER CO**



MORE STEAM *at less* **COST**



Package Unit *and* **Custom Built Steam Generators** *for* **Power, Processing** *or* **Heating . . .**

Vogt steam generators are designed to give maximum rating in minimum space, with high efficiency and low maintenance. Available in bent tube and straight tube designs for solid, liquid or gaseous fuels burned singly or in combination.
Package units range from 10,000 to 50,000 pounds capacity and custom built units are obtainable in the larger capacities. Bulletins on request. Write Dept. 24A-BCW.

HENRY VOGT MACHINE CO. P. O. Box 1918 Louisville 1, Ky.

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Heatron, Inc
Schutte & Koerting Co

BOOSTERS, PRESSURE

►FULLER CO

American Meter Co
Beach-Russ Co
Cleaver-Brooks Co
Eclipse Fuel Engrg Co, Combustion Div
Hannifin Co
Joy Mfg Co
North American Mfg Co
Norwalk Co
Pressure Products Industries
Schutte & Koerting Co
Spencer Turbine Co

BOTTLE CAPPING MACHINES

First Machy Corp

Aluminum Co of America
Anchor Engrg Co
Anchor Hocking Glass Corp
Consolidated Packaging Machy Corp
Ertel Engrg Corp
Karl Kiefer Mach Co
C W Logeman Co
Ogden Filter Co

BOTTLE CLEANING MACHINES

First Machy Corp

Anchor Engrg Co
Gray Co
M-D Blowers, Inc
MRM Co

BOTTLE FILLING MACHINES

First Machy Corp

Arthur Colton Co
Ertel Engrg Corp
FMC Packaging Machy Div
B F Gump Co
C W Logeman Co
MRM Co
G Diehl Mateer Co

BOTTLE SHAKING MACHINES

Clay-Adams
B F Gump Co
Terriss-Consolidated Industries

BOTTLES, ALUMINUM

American Aluminum Co

Anchor Engrg Co

BOTTLES, GLASS

►CONTINENTAL CAN CO
Fisher Scientific Co
General Container Co
United Box & Lumber Co

Anchor Engrg Co
Anchor Hocking Glass Corp
Corning Glass Works
Fischer & Porter Co
Owens-Illinois Glass Co, Glass Container Div

BOTTLES, HARD RUBBER

►GOODALL RUBBER CO

Anchor Engrg Co
American Hard Rubber Co
Luzerne Rubber Co

BOTTLES, PLASTIC

►CELANESE PLASTICS CO, DIV CELANESE CORP OF AMERICA
►CONTINENTAL CAN CO
Fisher Scientific Co
Hedwin Corp
United Box & Lumber Co

Anchor Engrg Co
Chemical & Power Products
Delaware Barrel & Drum Co
Fischer & Porter Co
Industrial Can Co
Nalge Co
Owens-Illinois Glass Co, Closure & Plastics Div
Plax Corp

BOXES, CARBOY

General Container Co
United Box & Lumber Co

Delaware Barrel & Drum Co
General Box Co
Jones Box & Mill Div
Lange & Crist Box & Lumber Co
David M Lea & Co
Main Bros Box & Lumber
Western Wirebound Box Co

BOXES, CARBURIZING

Allied Steel Products Corp

BOXES, FIBER

Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Gaylord Container Div
General Box Co
International Paper Co
Middlesex Paper Tube Co
Stone Container Corp

BOXES, METAL

Anchor Engrg Co
Anchor Hocking Glass Corp
J L Clark Mfg Co
Ellisco Inc
Falstrom Co
General Metals Inc
Hoffman Engrg Corp
Kirk & Blum Mfg Co
Union Steel Chest Corp

BOXES, SHIPPING

►CONTINENTAL CAN CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Chicago Mill & Lumber Co
Gaylord Container Div
General Box Co
Lange & Crist Box & Lumber Co
David M Lea & Co
Olin Mathieson, Packaging Div
Owens-Illinois Glass Co, Paper Products Div
Martin Bros Container & Timber Products Corp
St Regis Paper Co
Stone Container Corp
Treen Box Co
Western Wirebound Box Co

BOXES, VACUUM

Controlled Atmosphere Enclosures Mfg Co
S Blickman, Inc
Elberta Crate & Box Co
General Blower Co
Kewaunee Mfg Co

BOXES, WIRE-BOUND

American Wood Products Corp
Chicago Mill & Lumber Co
General Box Co
Indianapolis Wire Bound Box Co
Jones Box & Mill Div
Lange & Crist Box & Lumber Co
David M Lea & Co
Main Bros Box & Lumber Co
Martin Bros Container & Timber Products Corp
St Regis Paper Co
Western Wirebound Box Co

BOXES, WOODEN

United Box & Lumber Co

Chicago Mill & Lumber Co
General Box Co
Jones Box & Mill Div
Lange & Crist Box & Lumber Co
David M Lea & Co
Main Bros Box & Lumber Co
St Regis Paper Co
Martin Bros Container & Timber Products Corp
Treen Box Co

BRAKES, MAGNETIC

Cutler-Hammer Inc
Electro Lift Inc
General Elec Co, Apparatus Sales Div
Fairbanks, Morse & Co
Warner Elec Brake & Clutch Co

BRASS (INGOTS, SHAPES)

American Smelting & Refining Co
Chase Brass & Copper Co
Titan Metal Mfg Co

BREATHERS, STORAGE TANK

Chicago Bridge & Iron Co
Desomatic Products Div
McIntire Co
Wyatt Metal & Boiler Works Div

BRICK, ACID-RESISTING

Paul O Abbe Inc

Electro Refractories & Abrasives Corp
Kaiser Aluminum & Chem Corp
Knapp Mills Inc
National Carbon Co
Norton Co
Robinson Clay Product Co
United States Stoneware Co

BRICK, CARBON

Kaiser Refractories & Chems Div
National Carbon Co

BRICK, INSULATING

►JOHNS-MANVILLE

Armstrong Cork Co, Insulation Div
Babcock & Wilcox Co, Refractories Div
Electro Refractories & Abrasives Corp
A P Green Fire Brick Co
Kaiser Refractories & Chems Div
Norton Co
Robinson Clay Product Co

AA

ALUMINUM SEAMLESS BOTTLES

Practical and Safe for Packaging, Shipping and Storing!



More and more throughout the chemical industry, aluminum bottles prove to be the most practical, versatile method for chemical packaging. The elimination of breakage and popping when dropped, has already saved thousands of dollars in material spoilage alone.

Delicate in appearance, yet rugged in performance is only one of many reasons why aluminum seamless bottles are preferred by major chemical companies today.

- Outlasts glass and plastic several times over.
- Lightness in weight allows handling ease and prevents costly shipping charges.
- Over 25 popular sizes and shapes for immediate "off-the-shelf" delivery.
- Will not rust, crack or disfigure under unusual temperature conditions.

AA

Write for details and list of chemicals aluminum will not affect.

AMERICAN ALUMINUM COMPANY

Manufacturers of Aluminum Products for Industry Since 1910
230 Sheffield St., ● Mountainside, N. J. ● ADams 3-3500

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BRICK, PORCELAIN

Paul O Abbe Inc

McDanel Refractory Porcelain Co
Patterson Foundry & Mach Co

BRICK, REFRACTORY

►JOHNS-MANVILLE

Armstrong Cork Co, Insulation Div
Babcock & Wilcox Co, Refractories Div
Corning Glass Works
Electro Refractories & Abrasives Corp
A P Green Fire Brick Co
Kaiser Refractories & Chems Div
Norton Co
Plibrico Co
Robinson Clay Product Co

BRICK, SILICA

Paul O Abbe Inc
►JOHNS-MANVILLE

A P Green Fire Brick Co
Kaiser Refractories & Chems Div
Thermal American Fused Quartz

BRICK, SILICON CARBIDE

Babcock & Wilcox Co, Refractories Div
A P Green Fire Brick Co
Electro Refractories & Abrasives Corp
Norton Co

BRIDGES, CONDUCTIVITY

Bristol Co
General Elec Co, Apparatus Sales Div
General Radio Co
Gulton Industries
Industrial Instruments

BRONZE, ACID-RESISTING (BARS, RODS, SHEETS, ETC.)

Anaconda American Brass
American Smelting & Refining Co
Ampco Metal
Hauser-Stander Tank Co

BRUSHES, ELECTRIC GENERATOR & MOTOR

Carbone Corp
General Elec Co, Apparatus Sales Div
Keystone Carbon Co
National Carbon Co

BUCKETS, ACID-RESISTING

New Jersey Safety Equipment Co

American Hard Rubber Co
Automotive Rubber Co
Beaumont Birch Co
Bethlehem Steel Co
Fischer & Porter Co
B F Goodrich Industrial Products Co
Haveg Industries
Kirk & Blum Mfg Co
Luzerne Rubber Co
Terriss-Consolidated Industries
United States Stoneware Co
Vulcan Containers

BUCKETS, CLAMSHELL

Heyl & Patterson, Inc

Engineering Controls
Pettibone Mulliken Corp
Edw Renneburg & Sons

BUCKETS, DRAGLINE

Engineering Controls
Pettibone Mulliken Corp

BUCKETS, ELEVATOR & CONVEYOR

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Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Chain Belt Co
Continental Boiler & Sheet Iron Works
Denver Equipment Co
Gifford-Wood Co
Hendrick Mfg Co
Hewitt-Robins
S Howes Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Pettibone Mulliken Corp
Rapids Machy Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co
Universal Road Machy Co
Young Machy Co

BUCKETS, SKIP HOIST

Beaumont Birch Co
Bethlehem Steel Co Conveyors & Dumpers Div
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Materials Handling Equipment Co
Stephens-Adamson Mfg Co
Whiting Corp

BUNGS, BARREL & DRUM

General Container Co

American Flange & Mfg Co
OPW-Jordan
Vulcan Containers

BURNERS, GAS

Fisher Scientific Co

American Gas Furnace Co
E W Bliss Co
Brown Fintube Co
Combustion Engrg
Coppus Engrg Corp
Eclipse Fuel Engrg Co, Combustion Div
Engineer Co
Erie City Iron Works
Lammert & Mann Co
R C Mahon Co
National Airoil Burner Co
North American Mfg Co
Orr & Sembower
Pyronics, Inc
Ray Oil Burner Co
Riley Stoker Corp
W S Rockwell Co
Selas Corp of America
Submerged Combustion
Thermal Research & Engrg Corp
Todd Shipyards Corp
Vapor Recovery Systems Co

BURNERS, HIGH VELOCITY

American Gas Furnace Co
Eclipse Fuel Engrg Co, Combustion Div
National Airoil Burner Co
Pyronics, Inc
Ray Oil Burner Co
Selas Corp of America
Submerged Combustion
Thermal Research & Engrg Corp

BURNERS, INCINERATOR

Combustion Engrg
Eclipse Fuel Engrg Co, Combustion Div
Engineer Co
North American Mfg Co
National Airoil Burner Co
Pyronics, Inc
Thermal Research & Engrg Corp

BURNERS, OIL

E W Bliss Co
Combustion Engrg
Eclipse Fuel Engrg Co, Combustion Div
Engineer Co
Erie City Iron Works
Kennedy Van Saun Mfg & Engrg Corp
Lammert & Mann Co
National Airoil Burner Co
North American Mfg Co
Orr & Sembower
Pyronics, Inc
Ray Oil Burner Co
Edw Renneburg & Sons Co
Riley Stoker Corp
W S Rockwell Co
Schutte & Koerting Co
Submerged Combustion
Thermal Research & Engrg Corp
Todd Shipyards Corp

BURNERS, OIL & GAS COMBINATION

Brown Fintube Co
Combustion Engrg
Coppus Engrg Corp
Eclipse Fuel Engrg Co, Combustion Div
Enterprise Engine & Gas Machy Co
Engineer Co
Erie City Iron Works
Kennedy Van Saun Mfg & Engrg Corp
Lammert & Mann Co
National Airoil Burner Co
North American Mfg Co
Orr & Sembower
Pyronics, Inc
Ray Oil Burner Co
Riley Stoker Corp
W S Rockwell Co
Thermal Research & Engrg Corp
Todd Shipyards Corp

BURNERS, SULFUR

National Airoil Burner Co
Edw Renneburg & Sons Co
Stearns-Roger Mfg Co
Thermal Research & Engrg Corp

BUSHINGS, METAL

Ampco Metal
Chase Brass & Copper Co
Division Lead Co
Haynes Stellite Co
Hodgson Engrg & Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co
Stockham Valves & Fittings

BUSHINGS, PLASTIC

►GOODALL RUBBER CO

Carbone Corp
Garlock Inc
Hodgson Engrg & Mfg Co
Luzerne Rubber Co
Polymer Corp
Tri-Point Plastics Inc

BUSHINGS, RUBBER

►GOODALL RUBBER CO

Colonial Rubber Co
Garlock Inc
Goshen Rubber Co
Luzerne Rubber Co
Roberts Toledo Rubber Co
United States Rubber Co

C

CABINETS, INSTRUMENT

S Blickman, Inc
Controlled Atmosphere Enclosures Mfg Co
Falstrom Co
Foxboro Co
Kewaunee Mfg Co
Laboratory Furniture Co
Republic Flow Meters Co
Edw Renneburg & Sons Co

CABINETS, LABORATORY

Fisher Scientific Co

S Blickman, Inc
Controlled Atmosphere Enclosures Mfg Co
Falstrom Co
A E Halperin Co
Kewaunee Mfg Co
Laboratory Furniture Co

CABINETS, SAFETY

Controlled Atmosphere Enclosures Mfg Co
S Blickman, Inc

CABLES, HEATING

Cox & Co
E C Smith Mfg Co

CALANDRIAS

Allied Steel Products Corp
Buflovak Equipment Div
Carbone Corp
Colonial Iron Works Co
Matt Corcoran Co
Downingtown Iron Works
Goslin-Birmingham Mfg Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Ernest Scott & Co
Stearns-Roger Mfg Co
Vulcan Mfg
Wyatt Metal & Boiler Works Div

CALIBRATORS

Wallace & Tiernan Inc

CALCINERS, LOW TEMPERATURE

Standard Steel Corp

Allied Steel Products Corp
American Gas Furnace Co
Dorr-Oliver Inc
General American Transportation Corp
Hardinge Co
Leader Iron Works
Posey Iron Works
Edw Renneburg & Sons Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Div

CALORIMETERS

Fisher Scientific Co

Cutler-Hammer Inc
Ellison Draft Gage Co
Parr Instrument Co
Minneapolis-Honeywell, Industrial Products

CAN FILLING MACHINES

First Machy Corp

Arthur Colton Co
Crown Cork & Seal Co
Geuder, Paeschke & Frey Co
Gray Co
C W Logeman Co
MRM Co
G Diehl Mateer Co

CAN LABELING MACHINES

First Machy Corp

J L Clark Mfg Co
MRM Co
Kenneth J Moore & Co

CANS, ALUMINUM

►CONTINENTAL CAN CO

Anchor Engrg Co
Chemical & Power Products
Crown Corp & Seal Co
National Can Corp

CANS, FIBER & METAL COMPOSITE

American Can Co
R C Can Co

CANS, FIBER & PAPER

Middlesex Paper Tube Co
R C Can Co
Stone Container Corp

CANS, LEAD

Divison Lead Co
Industrial Can Co
Knapp Mills Inc

CANS, PLASTIC

R C Can Co

CANS, PRESSURE

►CONTINENTAL CAN CO

American Can Co
Crown Corp & Seal Co
American La France Div

CANS, SAFETY

New Jersey Safety Equipment Co

Chemical & Power Products

CANS, SEAMLESS METAL

Anchor Engrg Co
Crown Cork & Seal Co
Ellisco Inc
U S Hoffman Can Corp
Vulcan Containers
Vulan Containers Pacific

CANS, STEEL

►CONTINENTAL CAN CO

Anchor Engrg Co
Crown Cork & Seal Co
National Can Corp
Republic Steel Corp
Southline Metal Products Co
U S Hoffman Can Corp
Vulcan Containers

CANS, TIN

►CONTINENTAL CAN CO
Sherwin-Williams Co

American Can Co
Anchor Engrg Co
J L Clark Mfg Co
Crown Cork & Seal Co
Ellisco Inc
National Can Corp
U S Hoffman Can Corp
Vulcan Containers
Vulcan Containers Pacific

CAPACITORS

General Elec Co, Apparatus Sales Div
General Radio Co
Nashville Electronics, Inc
Worthington Corp

CAPPING MACHINERY

First Machy Corp

Anchor Engrg Co
Anchor Hocking Glass Corp
Crown Cork & Seal Co
Consolidated Packaging Machy Corp
C W Logeman Co

CAPS, BARREL & BASKET

American Flange & Mfg Co
Anchor Engrg Co

CAPS, BOTTLE

►CONTINENTAL CAN CO

Armstrong Cork Co, Packaging Materials Div
American Flange & Mfg Co
Anchor Engrg Co
Anchor Hocking Glass Corp
Armstrong Cork Co
Crown Cork & Seal Co
Fischer & Porter Co
Owens-Illinois Glass Co, Closure & Plastics Div
Plax Corp

CAPS, BUBBLE

Ampco Metal
Matt Corcoran Co
National Carbon Co
Vulcan Mfg Co

CAPS, CAN

American Flange & Mfg Co
Anchor Engrg Co
Anchor Hocking Glass Corp
J L Clark Mfg Co

CAPS, PLASTIC

American Flange & Mfg Co
Anchor Hocking Glass
Armstrong Cork Co, Packaging Materials Div
Robert Busse & Co
Delaware Barrel & Drum Co
Owens-Illinois Glass Co, Closure & Plastics Div
R C Can Co

CAPS & SEALS, BOTTLE & METAL

►CONTINENTAL CAN CO

Aluminum Co of America
American Flange & Mfg Co
Anchor Engrg Co
Anchor Hocking Glass Corp
Crown Cork & Seal Co
Owens-Illinois Glass Co, Closure & Plastics Div

CAPS & SEALS, MOLDED

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Armstrong Cork Co, Packaging Materials Div
Anchor Hocking Glass Corp
Chemical & Power Products
Owens-Illinois Glass Co, Closure & Plastics Div

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Baughman Mfg Co
Delta Tank Mfg Co
Flexoveyor Mfg Co
Link-Belt Co
Myers Sherman Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Young Machy Co

CAR SPOTTERS

Heyl & Patterson, Inc

Hewitt-Robins
Frank G Hough Co
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co

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Carbone Corp
National Carbon Co

CARBOY FILLING MACHINES

MRM Co

CARBOY TILTING FRAMES

Fisher Scientific Co
New Jersey Safety Equipment Co

Thompson Mfg Co
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United Box & Lumber Co

Corning Glass Works
Treen Box Co

CARBOYS, PLASTIC

►ACETO CHEM CO
Fisher Scientific Co
General Container Co
Hedwin Corp
United Box & Lumber Co

Delaware Barrel & Drum Co
Fischer & Porter Co
Industrial Can Co
Naige Co
Plax Corp

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Pressed Steel Tank Co

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Bethlehem Steel Co
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E W Buschman Co
Flexoveyer Mfg Co
General Elec Co, Apparatus Sales Div
Hewitt-Robins
Island Equipment Corp
Link-Belt Co
Little Giant Products

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STANDARD
CORK-CUSHIONED
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Durable. Light weight.

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Stone Container Corp

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Arthur Colton Co
MRM Co

CARTRIDGES, CAULKING

R C Can Co

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►JOHNS-MANVILLE

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Engineering Castings
Esco Corp
Haynes Stellite Co
Huntington Alloy Products Div
Jeffrey Mfg Co
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Michigan Standard Alloy Castings Co
T Shriver & Co
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D J Murray Mfg Co

Autolite Electric
Kalamazoo Tank & Silo Co
Hills-McCanna Co
Lebanon Steel Foundry
T Shriver & Co

CASTINGS, BRASS

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Bethlehem Steel Co
Flood City Brass & Elec Co
Jeffrey Mfg Co
Kalamazoo Tank & Silo Co
Titan Metal Mfg Co

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Ampco Metal
Bethlehem Steel Co
Flood City Brass & Elec
Kalamazoo Tank & Silo Co

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Acipco Steel Products
Bethlehem Steel Co
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Crucible Steel Co of America
Engineering Castings
Esco Corp
Jessop Steel Co
Lebanon Steel Foundry

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Acipco Steel Products Div
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Bethlehem Steel Co
Calorizing Co
Cooper Alloy Corp
Crucible Steel Co of America
Driver-Harris Co
Duriron Co
Engineering Castings
Esco Corp
Falk Corp
Haynes Stellite Co
Huntington Alloy Products Div
Jessop Steel Co
Lebanon Steel Foundry
Wall Colmonoy Corp

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D J Murray Mfg Co

Acipco Steel Products Div
Advance Foundry Co
Alten Foundry & Mach Works
Bethlehem Steel Co
Chain Belt Co
Crucible Steel Co of America
Electric Autolite Co
Engineering Castings
Esco Corp
Goslin-Birmingham Mfg Co
Jeffrey Mfg Co
Kalamazoo Tank & Silo Co
Kennedy Van Saun Mfg & Engrg Corp
Kutztown Foundry & Mach Corp
Link-Belt Co
Posey Iron Works
Edw Renneburg & Sons Co
T Shriver & Co
Simpson Elec, Indiana Foundry
Sprout,Waldron & Co
Stearns-Roger Mfg
Stedman Foundry & Mach Co

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Kutztown Foundry & Mach Corp
T Shriver & Co
Stearns-Roger Mfg Co
Sutton, Steele & Steele

CASTINGS, MANGANESE STEEL

Bethlehem Steel Co
Crucible Steel Co of America
Esco Corp
Pettibone Mulliken Corp
T Shriver & Co

CASTINGS, NICKEL

Bethlehem Steel Co
Calorizing Co
Cooper Alloy Corp
Crucible Steel Co of America
Driver-Harris Co
Engineering Castings
Esco Corp
Huntington Alloy Products Div
Lebanon Steel Foundry
Wall Colmonoy Corp

CASTINGS, NICKEL ALLOY

Acipco Steel Products Div
Advance Foundry Co
Alten Foundry & Mach Works
Bethlehem Steel Co
Calorizing Co
Cooper Alloy Corp
Crucible Steel Co of America
Driver-Harris Co
Duriron Co
Engineering Castings
Esco Corp
Hardinge Co
Haynes Stellite Co
Huntington Alloy Products Div
Kalamazoo Tank & Silo Co
Kennedy Van Saun Mfg & Engrg Corp
Kutztown Foundry & Mach Corp
Lebanon Steel Foundry
Posey Iron Works
Wall Colmonoy Corp

CASTINGS, SEMI-STEEL

Alten Foundry & Mach Works
Bethlehem Steel Co
Chain Belt Co
Crucible Steel Co of America
Goslin-Birmingham Mfg
Kennedy Van Saun Mfg & Engrg Corp
Hardinge Co
Kutztown Foundry & Mach Corp
Posey Iron Works
T Shriver & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co

CASTINGS, STAINLESS

Acipco Steel Products Div
Alloy Flange & Fitting Corp
Calorizing Co
Cooper Alloy Corp
Crucible Steel Co of America
Bethlehem Steel Co
Davenport Mach & Foundry Co
Duriron Co
Engineering Castings
Esco Corp
Fischer & Porter Co
Haynes Stellite Co
Jessop Steel Co
Lebanon Steel Foundry

CASTINGS, STEEL

Acipco Steel Products Div
Bethlehem Steel Co
Crucible Steel Co of America
Duriron Co
Engineering Castings
Esco Corp
Falk Corp
Goslin-Birmingham Mfg Co
Jessop Steel Co
Lebanon Steel Foundry

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CATHETOMETERS

Fisher Scientific Co

CELLS, ABSORPTION

American Instrument Co
Perkin-Elmer Corp

CELLS, CONDUCTIVITY

Fisher Scientific Co

Bristol Co
Davenport Mach & Foundry Co
Fischer & Porter Co
Foxboro Co
Industrial Instruments
Leeds & Northrup Co
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Carbone Crop
Knapp Mills Inc
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Leader Iron Works
Scientific Glass Apparatus
T Shriver & Co

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Neirad Industries

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Gallgher Co
General American Transportation Corp
Stearns-Roger Mfg Co
Wemco Div, Western Machy Co

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Foxboro Co
Neptune Meter Co

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Eastman Kodak Co

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General Elec Co, Apparatus Sales Div
Kidde Ultrasonic & Detection Alarms

CELLS, SALT BRINE ELECTROLYSIS

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Axel Plastics Research Labs
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Fisher Scientific Co

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Bacon Industries
Baughman Mfg Co
Connecticut Hard Rubber Co
Eagle-Picher Co
Ideal Cement Co
National Garbon Co
Norton Co
Patterson Foundry & Mach Co
Ralph V Rulon, Inc
United States Rubber Co
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DeLaval Separator Co
Dorr-Oliver Inc
International Equipment
Podbielniak, Inc
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div
Western States Mach Co

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First Machy Corp
Heyl & Patterson, Inc

Bird Mach Co
DeLaval Separator Co
International Equipment Co
Edw Renneburg & Sons Co
Tolhurst Centrifugals Div
Sharples Corp, Fletcher Div
Wemco Div, Western Machy Co
Western States Mach Co

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First Machy Corp
Heyl & Patterson, Inc

Bird Mach Co
DeLaval Separator Co
Dorr-Oliver Inc
International Equipment
Podbielniak, Inc
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div
Western States Mach Co

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First Machy Corp
Heyl & Patterson, Inc

Baker Perkins
Beckman Instruments, Spinco Div
Bird Mach Co
Condenser Service & Engrg Co
DeLaval Separator Co
Dorr-Oliver Inc
International Equipment Co
Podbielniak, Inc
Sharples Corp
Tolhurst Centrifugals Div
Wemco Div, Western Machy Co

CENTRIFUGES, DISK

Centrico, Inc

DeLaval Separator Co
Dorr-Oliver Inc
Podbielniak, Inc
Sharples Corp

CENTRIFUGES, HIGH-SPEED

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Beckman Instruments, Spinco Div
DeLaval Separator Co
Dorr-Oliver Inc
Edw Renneburg & Sons Co
International Equipment Co
Sharples Corp, Fletcher Div

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Standard Scientific Supply Corp

Beckman Instruments, Spinco Div
Bird Mach Co
Clay-Adams
Coleman Industries
DeLaval Separator Co
International Equipment
Podbielniak, Inc
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div
Western States Mach Co

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Clay-Adams, Inc
De Laval Separator Co
International Equipment
Podbielniak, Inc
Sharples Corp

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Bird Mach Co
DeLaval Separator Co
Dorr-Oliver Inc
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div

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Standard Scientific Supply Corp

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Beckman Instruments, Spinco Div
De Laval Separator Co
International Equipment
Podbielniak, Inc
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div

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Heyl & Patterson, Inc
Standard Scientific Supply Corp

Bird Mach Co
DeLaval Separator Co
Dorr-Oliver Inc
Podbielniak, Inc
Edw Renneburg & Sons Co
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div
Wemco Div, Western Machy Co

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Aluminum Co of America
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Corning Glass Works
Electro Refractories & Abrasives Corp
Gulton Industries
Haynes Stellite Co
Kaiser Refractories & Chems Div
Norton Co
Pfaudler Co Div
Star Porcelain Co
United States Stoneware Co

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Dodge Mfg Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
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Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Great Western Mfg Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co

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Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
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Hewitt-Robins
Link-Belt Co

CHANNEL ANALYZERS

Minneapolis-Honeywell, Industrial Products

CHARGERS, BATTERY

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Fansteel Metallurgical Corp
General Elec Co, Apparatus Sales Div
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Multi-Amp Electronic Corp
Onan Div
Sel-Rex Corp
Syntron Co

CHEESECLOTH

Standard Wiping Materials

CHILLERS

Croll-Reynolds Co
►HENRY VOGT MACH CO

Acme Industries
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Industrial Process Engrs
Southwestern Engrg Co
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Allied Steel Products Corp
Ampco Metal
Buflovak Equipment Div
J P Devine Mfg Co
Goslin-Birmingham Mfg Co
Edw Renneburg & Sons Co

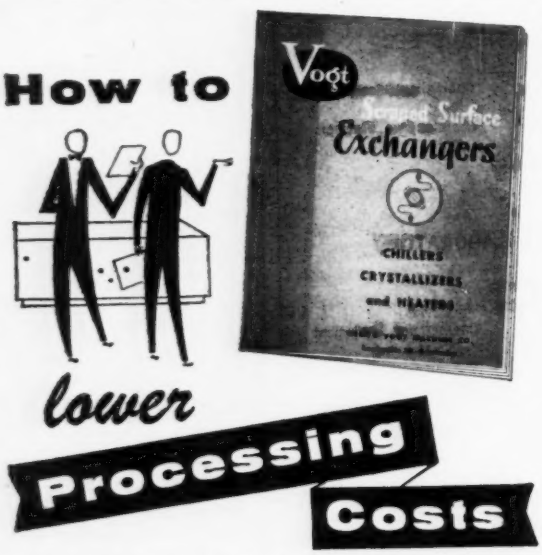
CHIPPERS, WAX

Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son

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BIF Industries
Clark-Cooper Div
Culligan, Inc
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Leeds & Northrup Co
W A Taylor & Co
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Carbone Corp
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Blaco Mfg Co
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Gates Rubber Co, Hose Accessories Div
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►JOHNS-MANVILLE

DeLaval Separator Co
Sharples Corp
T Shriver & Co

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►JOHNS-MANVILLE

American Water Softener Co
Chain Belt Co
Commercial Filters Corp
Culligan, Inc
DeLaval Separator Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Graver Water Conditioning Co
Hardinge Co
Infilco, Inc
Jeffrey Mfg Co
Link-Belt Co
Permutit Co
Pfaudler Co Div
Podbielniak, Inc
Sharples Corp, Fletcher Div
T Shriver & Co
Walker Process Equipment
Yeomans Bros Co

CLARIFIERS, SUGAR

Centrico, Inc
►JOHNS-MANVILLE

De Laval Separator Co
Dorr-Oliver Inc
Eimco Corp
Graver Water Conditioning Co
Pfaudler Co Div
Sharples Corp
T Shriver & Co
Terriss-Consolidated Industries

CLARIFIERS, TANK-TYPE

Allied Steel Products Corp
Boardman Co
Culligan, Inc
Dorr-Oliver Inc
Eimco Corp
Graver Water Conditioning Co
Hardinge Co
Link-Belt Co
Pfaudler Co Div
St Regis Paper Co
Sharples Corp
T Shriver & Co

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►JOHNS-MANVILLE
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American Water Softener Co
Chem-Pure Service Co
Cochrane Div

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Culligan Inc
De Laval Separator Co
Dorr-Oliver Inc
Eimco Corp
Elgin Softener Corp
Graver Water Conditioning Co
Hardinge Co
Infilco, Inc
Link-Belt Co
Niagara Filters Div
Ogden Filter Co
Permutit Co
Podbielniak, Inc
Sharples Corp
T Shriver & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries
Walker Process Equipment

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Heyl & Patterson, Inc

Bird Mach Co
Boardman Co
Buell Engrg Co
Combustion Engrg, Raymond Div
COMCO Corp
DeLaval Separator Co
Denver Equipment Co
Dorr-Oliver Inc
Hardinge Co
International Engrg
S Howes Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Majac, Inc
Sharples Corp
Orville Simpson Co
Southwestern Engrg Co
Sprout, Waldron & Co
Sturtevant Mill Co
Universal Road Machy Co
Wemco Div, Western Machy Co

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Combustion Engrg, Raymond Div
DeLaval Separator Co
Denver Equipment Co
Hardinge Co
S Howes Co
International Engrg
Southwestern Engrg Co
Sprout, Waldron & Co

CLEANERS, AIR

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American Air Filter Co
Buell Engrg Co
Buffalo Forge Co
Cambridge Filter Corp
Carrier Corp
Controlled Atmosphere Enclosures Mfg Co
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Elliott Co, Roto Div
S Howes Co
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Johnson-March Corp
MRM Co
Pulverizing Machy Div
Research-Cottrell
Selas Corp of America
Sprout, Waldron & Co
Sumco Engrg, Inc
Wheelabrator Corp

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Barnebey-Cheney Co
D J Murray Mfg Co

Aerotec Industries
Buell Engrg Co
Buflovak Equipment Div
Cambridge Filter Corp
Desomatic Products Div
Gas Machy Co
Graver Water Conditioning Co
Johnson-March Corp
Edw Renneburg & Sons Co
Research-Cottrell
Schuyler Mfg Corp
Selas Corp of America
Stearns-Roger Mfg Co
Sumco Engrg, Inc
Western Precipitation Div
Wheelabrator Corp

CLEANERS, METAL

American Smelting & Refining Co
Detrex Chem Industries
Nu Steel Co
Pall Corp
Simpson Elec, Size Control
Sumco Engrg, Inc
Wheelabrator Corp

CLEANERS, PIPE

Elliott Co
Oster Mfg Co
Sumco Engrg, Inc

CLEANERS, STEAM

Clayton Mfg Co
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Eclipse Fuel Engrg Co, Boiler Div
Kelite Corp
Metal Textile Corp
Schuyler Mfg Corp
Selas Corp of America
Sumco Engrg, Inc
Vapor Heating Corp

CLEANERS, TUBE

Airetool Mfg Co
Elliott Co
Oster Mfg Co
Sumco Engrg, Inc
Thomas C Wilson

CLEANERS, ULTRASONIC

American Sterilizer Co
Branson Instruments
Detrex Chem Industries
Gulton Industries
Narda Ultrasonics Corp
National Ultrasonics Corp
Pall Corp

CLEANERS, VACUUM

Cambridge Filter Corp
Martindale Elec Co
Spencer Turbine Co

CLOSURES

Aluminum Co of America
American Flange & Mfg Co
Anchor Engrg Co
Anchor Hocking Glass
Armstrong Cork Co, Packaging Materials Div
Eastern Steel Barrel Corp
Gering Plastics Div
Owens-Illinois Glass Co, Closure & Plastics Div
Plax Corp
R C Can Co
St Regis Paper Co
Tube Turns Div
West Virginia Pulp & Paper, Multiwall Bag Div

CLOSURES, CAN & PAIL

American Flange & Mfg Co
Anchor Engrg Co

CLOSURES, TANK

American Flange & Mfg Co
Bishopric Products Co
Colonial Plastics Mfg Co
J P Devine Mfg Co
Tube Turns Div

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Schwarzenbach Huber Co

Filtration Fabrics Div
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T Shriver & Co
M L Snyder & Son
United States Rubber Co
Wellington Sears Co
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►JOHNS-MANVILLE
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Filtration Fabrics Div
Keasbey & Mattison Co
Metal Textile Corp
Raybestos-Manhattan
Sterling Packing & Gasket Co

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Schwarzenbach Huber Co

Filtration Fabrics Div
Multi-Metal Wire Cloth Co
Newark Wire Cloth Co
Southwestern Engrg Co
Sprout, Waldron & Co
Unique Wire Weaving Co
W S Tyler Co

CLOTH, GLASS

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National Filter Media Corp

Filtration Fabrics Div
Haveg Industries
Metal Textile Corp

CLOTH, HEAT-RESISTANT

►JOHNS-MANVILLE
National Filter Media Corp
Schwarzenbach Huber Co

Filtration Fabrics Div
Haveg Industries
C M Kemp Mfg Co
Newark Wire Cloth Co
Raybestos-Manhattan
Wellington Sears Co

CLOTH, MILDEW PROOF

National Filter Media Corp
Schwarzenbach Huber Co

Belmont Burlap Bag Co
Filtration Fabrics Div
T Shriver & Co
Wellington Sears Co

CLOTH, SARAN WOVEN

Brosites Products Corp
National Filter Media Corp
Schwarzenbach Huber Co

Filtration Fabrics Div

CLOTH, SYNTHETIC FIBER

Brosites Products Corp
National Filter Media Corp
Schwarzenbach Huber Co
United States Rubber Co, Textile Div

Filtration Fabrics Div
T Shriver & Co
Wellington Sears Co

CLOTH, WATERPROOF

United States Rubber Co, Textile Div

Reliance Plastic & Chem
M L Snyder & Son
Wellington Sears Co

CLOTH, WIPING

Standard Wiping Materials
Belmont Burlap Bag Co
Wellington Sears Co

CLOTH, WIRE

Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Hewitt-Robins
Metal Textile Corp
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
Newark Wire Cloth Co
T Shriver & Co
Southwestern Engrg Co
Standard Wiping Materials
Strong-Scott Mfg Co
W S Tyler Co
Unique Wire Weaving Co

CLOTHING, ACID-PROOF

Brosites Products Corp
►GOODALL RUBBER CO
New Jersey Safety Equipment Co

M Setlow & Son
M L Snyder & Son
United States Rubber Co
Worklon, Inc

CLOTHING, FIRE FIGHTING

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Cambridge Wire Cloth
M L Snyder & Son

CLUTCHES, AIR

Cambridge Wire Cloth
Dodge Mfg Corp
Twin Disc Clutch Co

CLUTCHES, ELECTROMAGNETIC

Bowmar Instrument Corp
Electric Machy Mfg Co
Cutler-Hammer, Inc
Sealol, Inc
Twin Disc Clutch Co
Warner Elec Brake & Clutch Co

CLUTCHES, FRICTION

►JOHNS-MANVILLE

Dodge Mfg Corp
Fairbanks, Morse & Co
Jeffrey Mfg Co
Link-Belt Co
H K Porter Co, Thermoid Div
Edw Renneburg & Sons Co
Twin Disc Clutch Co
Warner Elec Brake & Clutch Co
Worthington Corp

CLUTCHES, HYDRAULIC

Twin Disc Clutch Co

CLUTCHES, JAW

Chain Belt Co
Dodge Mfg Corp
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co

CLUTCHES, PULLEY

Dodge Mfg Co
Jeffrey Mfg Co
Link-Belt Co
Edw Renneburg & Sons Co
Warner Elec Brake & Clutch Co

COAL HANDLING EQUIPMENT

Heyl & Patterson, Inc

Barber-Greene Co
Baughman Mfg Co
Beaumont Birch Co
Brady Conveyors Corp
Chain Belt Co
COMCO Corp
Eimco Corp
Gifford-Wood Co
Hewitt-Robins
Frank G Hough Co
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment
Materials Handling Equipment Co
RKL Controls, Inc
Stephens-Adamson Mfg Co
Syntron Co
Wallace & Tiernan Inc

COATINGS, CERAMIC

Chemical & Power Products
Consolidated Electrodynamics
Electro Refractories & Abrasives Corp
Gulton Industries
Laboratory Equipment Corp
Norton Co
Pfaudler Co Div
Schori Process Corp

COATINGS, PROTECTIVE

Philip Carey Mfg Co
►ENJAY CHEM CO
►JOHNS-MANVILLE
►METAL & THERMIT CORP

Amercoat Corp
American Hard Rubber Co
Armstrong Cork Co, Packaging Materials Div
Automotive Rubber Co
Axel Plastics Research Labs
Bishopric Products Co
Calorizing Co
Carboline Co
Chase Chem Corp
Chemical & Power Products
Consolidated Electrodynamics
Eagle-Picher Co
Flexi-Liner Co
General American Transportation Corp
B F Goodrich Industrial Products Co
Heil Process Equipment
Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
Knapp Mills Inc
Mercer Rubber Co
Permacel
Pfaudler Co Div
Polymer Corp
Ralph V Rulon, Inc
Sel-Rex Corp
Speco, Inc
Sumco Engrg, Inc
Tempil Corp
Tri-Point Plastics Inc
Unit .. States Rubber Co
United States Stoneware Co
Wall Colmonoy Corp
Wilbur & Williams Co
Wisconsin Protective Coating Corp

COILS, COOLING & CONDENSING

►ALLIED CHEM CORP, SEMET SOLVAY ENGRG DIV
Niagara Blower Co
►HENRY VOGT MACH CO

Acme Industries
Allied Steel Products Corp
American Air Filter Co
American Water Softener Co
Ampco Metal
Brighton Corp
Brown Fintube Co
Buffalo Forge Co
Carrier Corp
Matt Corcoran Co
Corning Glass Works
Crucible Steel Co of America
Dean Products Inc
Griscom-Russell Co
Haynes Stellite Co
Heatron, Inc
Heil Process Equipment Corp
Industrial Process Engrs
Knapp Mills Inc
National Carbon Co
Parker Fittings & Hose Div
Process Engrg
Edw Renneburg & Sons Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Swan Mfg Corp
Trane Co
Tranter Mfg, Inc
Vulcan Mfg
Whitlock Mfg Co
York Corp
Young Radiator Co

COILS, HEATING

D J Murray Mfg Co
Niagara Blower Co

Acme Industries
Allied Steel Products Corp
American Air Filter Co
Ampco Metal
Anaconda American Brass Co
Brown Fintube Co
Buffalo Forge Co
Carrier Corp
Matt Corcoran Co
Cutler-Hammer Inc
Dean Products Inc
Division Lead Co
Griscom-Russell Co
Heatron, Inc
Industrial Process Engrs
Heil Process Equipment Corp
Knapp Mills Inc
National Carbon Co
Joseph Oat & Sons
Edw Renneburg & Sons Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Swan Mfg Corp
Trane Co
Tranter Mfg, Inc
United States Stoneware Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COILS, PLATE

Dean Products Inc
Trane Co
Tranter Mfg, Inc

COLLARS, SHAFT

American Pulley Co
Chain Belt Co
COMCO Corp
Dodge Mfg Corp
Joseph Oat & Sons
Edw Renneburg & Sons Co

COLLECTORS, FUME

Croll-Reynolds Co
►FULLER CO

Aerotec Industries
Allied Steel Products Corp
American Air Filter Co
Automotive Rubber Co
Brooklyn Blower & Pipe
Buell Engrg Co
Buffalo Forge Co
Cambridge Filter Corp
Dust Supression & Engrg Co
Heil Process Equipment Corp
R C Mahon Co
Metal Textile Corp
National Cylinder Gas Div
Pangborn Corp
Research-Cottrell
Western Precipitation Div
Wheelabrator Corp

COLLECTORS, MULTI-WASH

Aerotec Industries
Buffalo Forge Co
Johnson-March Corp
Metal Textile Corp
National Cylinder Gas Div
Pangborn Corp

COLLECTORS, SLUDGE

Allied Steel Products Corp
American Water Softener Co
Chain Belt Co
Jeffrey Mfg Co
Komline-Sanderson Engrg Corp
Link-Belt Co
R C Mahon Co
Pangborn Corp
Walker Process Equipment
Yeomans Bros Co

COLLECTORS, WET

Aerotec Industries
American Air Filter Co
Automotive Rubber Co
Barber-Greene Co
Brady Conveyors Corp
Buell Engrg Co
Buffalo Forge Co
Dust Suppression & Engrg Co
Fly Ash Arrestor Corp
Haveg Industries
Jeffrey Mfg Co
Johnson-March Corp
R C Mahon Co
Metal Textile Corp
National Cylinder Gas Div
Pangborn Corp
Research-Cottrell
Claude B Schneible Co
Schuyler Mfg Corp
Western Precipitation Div

COLORIMETERS

Fisher Scientific Co
Standard Scientific Supply Corp

American Instrument Co
Bausch & Lomb Inc
Coleman Instruments
Ellison Draft Gage Co
Hallikainen Instruments
General Elec Co, Apparatus Sales Div
M W Kellogg Co
Wallace & Tiernan Inc
W A Taylor & Co

COLUMNS, ABSORPTION

First Machy Corp
Standard Steel Corp

Alco Products
Allied Steel Products Corp
Artisan Metal Products
Automotive Rubber Co
Bethlehem Steel Co
Bio-Rad Labs
Boardman Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Leader Iron Works
Mixing Equipment Co
National Carbon Co
Nooter Corp
Joseph Oat & Sons
Packed Column Corp
Pfaudler Co Div
Resistoflex Corp
Claude B Schneible Co
Scientific Glass Apparatus Co
A O Smith Corp
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

COLUMNS, BUBBLE CAP

First Machy Corp
Standard Steel Corp

Alco Products
Allied Steel Products Corp
Artisan Metal Products
Badger Mfg Co
Bethlehem Steel Co
Boardman Co
Brighton Corp
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co

Downingtown Iron Works
Falls Industries
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Kennedy Tank & Mfg Co
Knapp Mills Inc
Leader Iron Works
National Carbon Co
Nooter Corp
Joseph Oat & Sons
Pfaudler Co Div
Precision Distillation Apparatus Co
Scientific Glass Apparatus
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Superior Air Products Co
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

COLUMNS, CONTINUOUS CONTACT

Alco Products
Allied Steel Products Corp
Artisan Metal Products
Colonial Iron Works Co
Matt Corcoran Co
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
General American Transportation Corp
General Ceramics Div
Graver Tank & Mfg Co
Industrial Process Engrs
Knapp Mills Inc
Mixing Equipment Co
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
A O Smith Corp
Star Tank & Filter Corp
Todd Shipyards Corp
Trinity Steel Co
Wyatt Metal & Boiler Works Div
Vulcan Mfg

COLUMNS, DISTILLING, FRACTIONATING, ETC.

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
First Machy Corp

Alco Products
Allied Steel Products Corp
Alten Foundry & Mach Works
Artisan Metal Products
Badger Mfg Co
Bethelehem Steel Co
Bio-Rad Labs
Boardman Co
Brighton Corp
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Fischer & Porter Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Knapp Mills Inc
Leader Iron Works Inc
National Carbon Co
Nooter Corp
Joseph Oat & Sons
Packed Column Corp
Perry Products Co
Pfaudler Co Div
Precision Distillation Apparatus Co
Posey Iron Works
Podbielniak, Inc
Resistoflex Corp
Scientific Glass Apparatus
A O Smith Corp
Arthur F Smith Corp
Southwestern Engrg Co
Stainless Products
Stearns-Roger Mfg Co
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

COLUMNS, EXTRACTION

Alco Products
Allied Steel Products Corp
Artisan Metal Products
Badger Mfg Co
Bethlehem Steel Co
Brighton Corp
R D Cole Mfg Co
Colonial Iron Works
Combustion Engrg
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Fischer & Porter Co
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Metal Textile Corp
Mixing Equipment Co
National Carbon Co
Nooter Corp
Pfaudler Co Div
Precision Distillation Apparatus Co
Podbielniak, Inc
Scientific Glass Apparatus Co
A O Smith Corp
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Todd Shipyards Corp
Vulcan Mfg
Wyatt Metal & Boiler Works Div

COLUMNS, PACKED

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Automotive Rubber Co
Bio-Rad Labs
Brighton Corp
R D Cole Mfg Co
Colonial Iron Works Co
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Haveg Industries
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Metal Textile Corp
Nooter Corp
Joseph Oat & Sons
Packed Column Corp
Perry Products Co
Pfaudler Co Div
Podbielniak, Inc
Edw Renneburg & Sons Co
Scientific Glass Apparatus Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Todd Shipyards Corp
Vulcan Mfg
Whitlock Mfg Co

COMBUSTION CONTROL SYSTEMS

Bailey Meter Co
Cambridge Instrument Co
A W Cash Co
Copes-Vulcan Div
Cutler-Hammer Inc
Eclipse Fuel Engrg Co, Combustion Div
Farris Engrg Corp
Foster Wheeler Corp
General Controls Co
Leeds & Northrup Co
Pyronics, Inc
Edw Renneburg & Sons Co
Republic Flow Meters Co
Selas Corp of America
Todd Shipyards Corp

COMBUSTION INSTRUMENTS

Bailey Meter Co
Bristol Co
Ellison Draft Gage Co
F & M Scientific Corp
General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Laboratory Equipment Corp
Pyronics, Inc
Edw Renneburg & Sons Co
Republic Flow Meters Co
Selas Corp of America
Victory Engrg Corp

COMPARATORS

New Jersey Safety Equipment Co

Simpson Elec, Size Control
Bausch & Lomb Inc
W A Taylor & Co
Wallace & Tiernan Inc

COMPRESSORS, AIR

►FULLER CO

Allis-Chalmers Mfg Co
Beach-Russ Co
Bell & Gossett Co
Chicago Pneumatic Tool Co
Clark Bros Co
Cooper-Bessemer Corp
Elliott Co
Fairbanks, Morse & Co
Gardner-Denver Co
Gray Co
Ingersoll-Rand Co
Johnson Service Co
Joy Mfg Co
Kellogg-American Div
Kidde Aero-Space Div
Lammert & Mann Co
Le Roi Div
Lincoln Engrg Co
M-D Blowers, Inc
Nash Engrg Co
Norwalk Co
Pennsylvania Pump & Compressor Co
Quincy Compressor Co
Roots-Connersville Blower
Schramm, Inc
Simpson Elec, Champion Pneumatic Machy Co
Thomas Industries
Worthington Corp
Yeomans Bros Co
York Corp

COMPRESSORS, AMMONIA

►FULLER CO
►HENRY VOGT MACH CO

Allis-Chalmers Mfg Co
American Instrument Co
Chicago Pneumatic Tool Co
Clark Bros Co
Cooper-Bessemer Corp
Ingersoll-Rand Co
Pennsylvania Pump & Compressor Co
Simpson Elec, Champion Pneumatic Machy Co
Vilter Mfg Co
Worthington Corp
York Corp

COMPRESSORS, AXIAL

Allis-Chalmers Mfg Co
Carrier Corp
Clark Bros Co
Elliott Co
Fairbanks, Morse & Co
Ingersoll-Rand Co
Joy Mfg Co
Roots-Connersville Blower
Simpson Elec, Champion Pneumatic Machy Co

COMPRESSORS, CENTRIFUGAL

Alco Products
Allis-Chalmers Mfg Co
Carrier Corp
Clark Bros Co
Cooper-Bessemer Corp
Elliott Co
Industrial Process Engrs
Ingersoll-Rand Co
Joy Mfg Co
Norwalk Co
Roots-Connersville Blower
Simpson Elec, Champion Pneumatic Machy Co
Spencer Turbine Co
Trane Co
Worthington Corp
York Corp

COMPRESSORS, GASES

►FULLER CO

Allis-Chalmers Mfg Co
American Instrument Co
Beach-Russ Co
Bingham Pump Co
Chicago Pneumatic Tool Co
Clark Bros Co
Cooper-Bessemer Corp
Elliott Co
Ingersoll-Rand Co
Joy Mfg Co
Kellogg-American Div
Lammert & Mann Co
M-D Blowers, Inc
Nash Engrg Co
Norwalk Co
Pressure Products Industries
Roots-Connersville Blower
Schutte & Koerting Co
Spencer Turbine Co
Worthington Corp
York Corp

COMPRESSORS, ISOTHERM

Clark Bros Co
Ingersoll-Rand Co
Norwalk Co
Simpson Elec, Champion Pneumatic Machy Co

COMPRESSORS, OIL-FREE

American Instrument Co
Bell & Gossett Co
Chicago Pneumatic Tool
Clark Bros Co
Cooper-Bessemer Corp
Gardner-Denver Co
Ingersoll-Rand Co
Joy Mfg Co
Leiman Bros, Inc
M-D Blowers, Inc
Nash Engrg Co
Norwalk Co
Pressure Products Industries
Roots-Connersville Blower
Thomas Industries

COMPRESSORS, PORTABLE

Allis-Chalmers Mfg Co
American Instrument Co
Beach-Russ Co
Chicago Pneumatic Tool Co
Gardner-Denver Co
Ingersoll-Rand Co
Johnson Service Co
Kellogg-American Div
Kidde Aero-Space Div
Le Roi Div
M-D Blowers, Inc
Schramm, Inc
Simpson Elec, Champion Pneumatic Machy Co
Thomas Industries
Worthington Corp

COMPRESSORS, ROTARY

►FULLER CO

Alco Products
Allis-Chalmers Mfg Co
Beach-Russ Co
Chicago Pneumatic Tool Co
Fairbanks, Morse & Co
Ingersoll-Rand Co
Lammert & Mann Co
Leiman Bros, Inc
Le Roi Div
M-D Blowers, Inc
Nash Engrg Co
Roots-Connersville Blower
Simpson Elec, Champion Pneumatic Machy Co
Thomas Industries
Vilter Mfg Co
Worthington Corp
Yeomans Bros Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

COMPUTERS, ANALOG

►DRESSER ELECTRONICS

Alco Products
Bailey Meter Co
Beckman Instruments, Berkeley Div
Bowmar Instrument Corp
Bristol Co
Fischer & Porter Co
Foxboro Co
General Elec, Apparatus Sales Div
Gulton Industries
Industrial Process Engrs
Leeds & Northrup Co
Minneapolis-Honeywell Industrial Products
Republic Flow Meters Co

COMPUTERS, DIGITAL

►DRESSER ELECTRONICS

Bailey Meter Co
Bristol Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Industrial Process Engrs
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
TRW Computers Co

CONCENTRATORS, ACID

Buflovak Equipment Div
Industrial Filter & Pump Mfg Co
Knapp Mills Inc
National Carbon Co
Nooter Corp
Sharples Corp
Stearns-Roger Mfg Co
Submerged Combustion
Thermal Research & Engrg Corp

CONCENTRATORS, SLUDGE

Buflovak Equipment Div
Clarage Fan Co
De Laval Separator Co
Denver Equipment Co
Hardinge Co
Industrial Filter & Pump Mfg Co
Nooter Corp
Rodney Hunt Mach Co
Sharples Corp
T Shriver & Co
Walker Process Equipment
Yeomans Bros Co

CONDENSATE RETURN SYSTEMS, HIGH PRESSURE

Allied Steel Products Corp
Aurora Pump Div
Cochrane Div
Eclipse Fuel Engrg Co, Boiler Div
Fairbanks, Morse & Co
Industrial Process Engrs
Leader Iron Works, Inc
Leeds & Northrup Co
Yeomans Bros Co

CONDENSERS, BAROMETRIC

Croll-Reynolds Co

Allied Steel Products Corp
R M Armstrong Co
Artisan Metal Products
Boardman Co
Buflovak Equipment Div
Condenser Service & Engrg Co
Downingtown Iron Works
Elliott Co
Falls Industries
Foster Wheeler Corp
Goslin-Birmingham Mfg Co
Graham Mfg Co, Heliflow Corp
Leader Iron Works Inc
Nooter Corp
Joseph Oat & Sons
Schutte & Koerting Co
Southwestern Engrg Co
Stainless Products
Stearns-Roger Mfg Co
Swenson Evaporator Co
Vulcan Mfg
C H Wheeler Mfg Co

CONDENSERS, COIL

Allied Steel Products Corp
American Air Filter Co
Artisan Metal Products
Brown Fintube Co
Buffalo Forge Co
Matt Corcoran Co
Corning Glass Works
Dean Products Inc
Esco Corp
Graham Mfg Co, Heliflow Corp
Heatron, Inc
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works Inc
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Precison Distillation Apparatus Co
Star Tank Filter Corp
Scientific Glass Apparatus
Arthur F Smith, Inc
Trane Co
Tranter Mfg, Inc
Vic Mfg Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co
York Corp
Young Radiator Co

CONDENSERS, FRACTIONAL

Allied Steel Products Corp
R M Armstrong Co
Artisan Metal Products
Buxton Mfg Co
Condenser Service & Engrg Co
Matt Corcoran Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pfaudler Co Div
Arthur F Smith, Inc
Star Tank & Filter Corp
Vulcan Mfg
Whitlock Mfg Co

CONDENSERS, NITRIC ACID

Allied Steel Products Corp
R M Armstrong Co
Buxton Mfg Co
Condenser Service & Engrg Co
Matt Corcoran Co

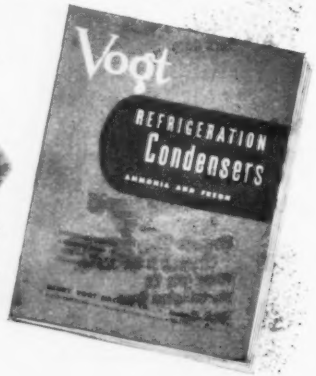


Consider These Factors When Buying Condensers

- Maximum capacity in limited installation space
- Limited expensive water supply
- Scale forming or silt carrying water supply

Remember that the refrigeration condensers you specify importantly affect your refrigeration costs!

Write Dept. 24A-RICW for Bulletin RC-2



HENRY VOGT MACHINE CO.

P. O. Box 1918
Louisville 1, Ky.

Downingtown Iron Works
Durlron Co
Graham Mfg Co, Heliflow Corp
Industrial Process Engrs
Haveg Industries
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pfaudler Co Div
Southwestern Engrg Co
Star Tank & Filter Corp
Vulcan Mfg
Whitlock Mfg Co

CONDENSERS, REFLUX

First Machy Corp
Fisher Scientific Co

Allied Steel Products Corp
American Heat Reclaiming Corp
R M Armstrong Co
Artisan Metal Products
Boardman Co
Buxton Mfg Co
Condenser Service & Engrg Co
Matt Corcoran Co
Corning Glass Works
Fall Industries
Fansteel Metallurgical Corp
Fischer & Porter Co
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Industrial Process Engrs
Leader Iron Works
National Carbon Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pfaudler Co Div
Star Tank Filter Corp
Scientific Glass Apparatus Co
Southwestern Engrg Co
Trane Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co

CONDENSERS, REFRIGERANT

Niagara Blower Co
►HENRY VOGT MACH CO

Acme Industries
Allied Steel Products Corp
R M Armstrong Co
Bell & Gossett Co
Buxton Mfg Co
Carrier Corp
Condenser Service & Engrg Co
Heatron, Inc
Leader Iron Works
Industrial Process Engrs
Marley Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Trane Co
Vilter Mfg Co
York Corp

CONDENSERS, STEAM

Croll-Reynolds Co

Allis-Chalmers Mfg Co
Buxton Mfg Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Corning Glass Works
Corn Reynolds Engrg Co
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Haveg Industries
Heatron, Inc
Industrial Process Engrs
Ingersoll-Rand Co
Leader Iron Works
National US Radiator Corp
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Schutte & Koerting Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Swenson Evaporator Co
Trane Co
Tranter Mfg, Inc
Vulcan Mfg
C H Wheeler Mfg Co
Whitlock Mfg Co
Worthington Corp
York Corp
Young Radiator Co

CONDENSERS, SURFACE

First Machy Corp

Allis-Chalmers Mfg Co
American Heat Reclaiming Corp
R M Armstrong Co
Artisan Metal Products
Boardman Co
Buxton Mfg Co
Carbone Corp
Condenser Service & Engrg Co
Croll-Reynolds Engrg Co
J P Devine Mfg Co
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Goslin-Birmingham Mfg Co
Industrial Process Engrs
Ingersoll-Rand Co
Leader Iron Works
National US Radiator Corp
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel
Schutte & Koerting Co
Ernest Scott & Co
A O Smith Corp
Arthur F Smith, Inc
Southwestern Engrg Co
Star Tank & Filter Corp
F J Stokes Corp
Swenson Evaporator Co
Vulcan Mfg
C H Wheeler Mfg Co
Worthington Corp

CONDENSERS, TUBULAR

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
First Machy Corp
►HENRY VOGT MACH CO

Allied Steel Products Corp
Artisan Metal Products
Buxton Mfg Co
Carbone Corp
Colonial Iron Works Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co

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Now from Dresser Electronics buy or lease a portable dynamic data processing trailer unit. Record data on-site, on-line, with your process operating "induced" or normally. Data on tape ready for direct entry into your general-purpose computer. Analysis lets management decide process changes to make for better plant profit. Don't wonder any more whether you should use computer control, make process changes, or replace older equipment. Now find the important variables and what to do about them!

Send coupon for immediate reply.

To: DRESSER ELECTRONICS P. O. Box 22187, Houston 27, Texas
From:
Company:
Title:
Address:

CONDENSERS, TUBULAR (continued)

Croll-Reynolds Engrg Co
Downingtown Iron Works
Esco Corp
Falls Industries
Foster Wheeler Corp
Gas Machy Co
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Heatron Inc
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Co
Joseph Oat & Sons
Patterson-Kelley Co
Pfaudler Co Div
Schutte & Koerting Co
Ernest Scott & Co
Southwestern Engrg Co
Star Tank & Filter Corp
F J Stokes Corp
Struthers Wells Corp
Swenson Evaporator Co
Trane Co
Vilter Mfg Co
Vulcan Mfg
Western Supply Co
Whitlock Mfg Co
Young Radiator Co

CONDENSERS, VAPOR

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
Croll-Reynolds Co
Niagara Blower Co

American Heat Reclaiming Corp
Artisan Metal Products
Boardman Co
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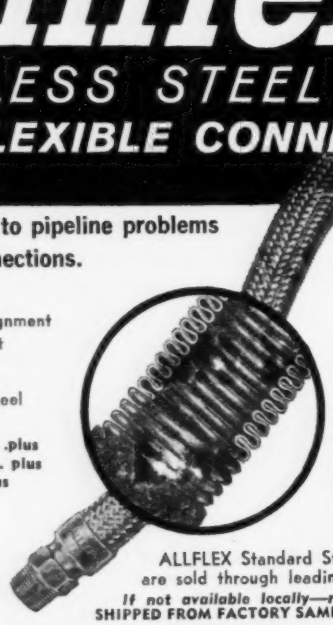
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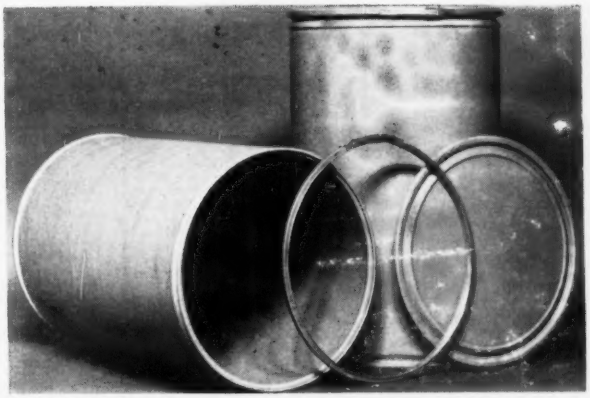


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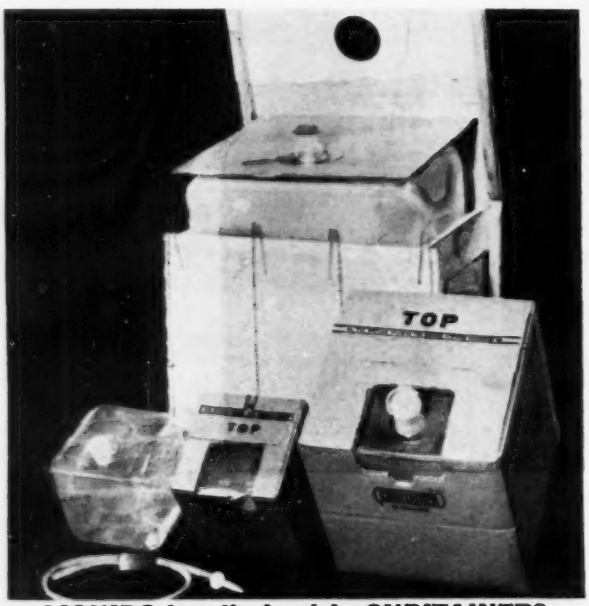
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General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Moore Products Co
Minneapolis-Honeywell, Industrial Products
North American Mfg Co
Penn Controls
Republic Flow Meters Co
Thermo Elec Co
Thermolyne Corp
West Instrument Corp

CONTROLS, HUMIDITY

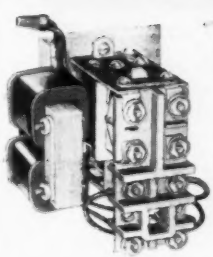
American Air Filter Co
American Instrument Co
Bailey Meter Co
Bristol Co
Foxboro Co
General Controls Co
Grinnell Co
Johnson Service Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Parks-Cramer Co
Penn Controls
Phys-Chemical Research Corp
Thermo Elec Co

CONTROLS, HYDRAULIC

Airmatic Valve
Atlas Valve Co
BIF Industries
Bristol Co
A W Cash Co
Crowell Designs
Foster Wheeler Corp
Galland-Henning Mfg Co

(Continued)

WARRICK
FLOATLESS, ELECTRODE-TYPE



LIQUID LEVEL CONTROLS

Two-pole control shown above

- No moving parts in the liquid
- Easy to install
- No adjustments necessary
- Unaffected by acids or caustics
- Unaffected by pressure or temperature

YOU CAN USE OUR CONTROLS FOR

- Evaporators
- Steam Boilers
- Acid and Caustic Storage Tanks
- Process Levels
- Waste Disposal
- Water Treatment
- Automatic Batching

Write for 32-page Catalog

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1972 W. Eleven Mile Road, Berkley, Mich.
Telephone JOrdan 4-6667

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CONTROLS, HYDRAULIC (continued)

Gas Machy Co
Hanna Engrg Works
Hannifin Co
Infilco Inc
Leeds & Northrup Co
Leslie Co
Merrick Scale Mfg Co
North American Mfg Co
Oilgear Co
Parker Hydraulics Div, Parker-Hannifin Corp
Sperry Products
United Elec Controls Co

CONTROLS, LIQUID LEVEL

Charles F Warrick Co

Aerotec Industries
American-Standard Controls Div
Associated Valve Co
Atlas Valve Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brooks Instrument Co
A W Cash Co
Conoflow Corp
Consolidated Control Corp
Copes-Vulcan Div
Cutler-Hammer, Inc
Delta Tank Mfg Co
Fischer & Porter Co
Fisher Governor Co
Foxboro Co
Fulton-Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
General Elec Co, X-Ray Dept
Gulton Industries
Infilco Inc
Johnson Corp
Johnson Service Co
Komline-Sanderson Engrg Corp
Klipfel Valve Div
Leeds & Northrup Co
Leslie Co
Liquidometer Corp
Lunkenheimer Co
Mason-Neilan Div
McDonnell & Miller
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Penn Controls
H A Phillips & Co
Precision Thermometer & Instrument Co
Pyronics, Inc
Republic Flow Meters Co
Richardson Scale Co
Sarco Co
Fred H Schaub Engrg Co
Spence Engrg Co
Terriss-Consolidated Industries
United Elec Controls Co
Vapor Recovery Systems Co
Victory Engrg Corp
Weighing & Controls Inc
Yarnall-Waring Co
Yeomans Bros Co

CONTROLS, MOISTURE

American Instrument Co
C W Brabender Instruments
Bristol Co
Consolidated Electrodynamics
Foxboro Co
Leeds & Northrup Co
Mason-Neilan Div
McIntire Co
Minneapolis-Honeywell, Industrial Products
Phys-Chemical Research Corp

CONTROLS, MOTOR

Allis-Chalmers Mfg Co
F J Cooke Inc
Cutler-Hammer Inc
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Killark Elec Mfg Co
Minneapolis-Honeywell, Industrial Products
Research-Cottrell
Superior Elec Co

CONTROLS, NUCLEAR REACTOR

Aerotec Industries
Allis-Chalmers Mfg Co
Bailey Meter Co
General Elec Co, Apparatus Sales Div
Jordan Controls
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Norwood Controls
West Instrument Corp

CONTROLS, pH

BIF Industries
Bailey Meter Co
Bristol Co
Foxboro Co
LaMotte Chem Products Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
W A Taylor & Co
Thermo Elec Co

CONTROLS, PHOTOELECTRIC

Bristol Co
Cooper-Bessemer Corp
Cutler-Hammer Inc
Simpson Elec Co
General Controls Co
General Elec Co, Apparatus Sales Div

CONTROLS, PRESSURE

Aerotec Industries
Airmatic Valve
American Meter Co
American-Standard Controls Div
Associated Valve Co
Atlas Valve Co
Bailey Meter Co
BIF Industries
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Chem Flow Corp
Consolidated Controls Corp
Consolidated Electrodynamics
Copes-Vulcan Div
Cutler-Hammer Inc
Delta Tank Mfg Co
Thomas A Edison Industries
Farris Engrg Corp
Fischer & Porter Co
Fisher Governor Co
Foxboro Co
Fulton-Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Gray Co
Hannifin Co
Hastings-Raydist
Johnson Service Co
Kidde Aero-Space Div
Klipfel Valve Div
Leeds & Northrup Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
OPW-Jordan
Penn Controls
Pyronics, Inc
Republic Flow Meters Co
Rockwell Mfg Co
Sarco Co
Schade Valve Mfg Co
Spence Engrg Co
Terriss-Consolidated Industries
United Elec Controls Co
Wallace & Tiernan Inc
Weksler Instruments Corp
West Instrument Corp

CONTROLS, PUMP

Allis-Chalmers Mfg Co
Atlas Valve Co
BIF Industries
Bailey Meter Co
Bristol Co
A W Cash Co
Copes-Vulcan Div
Cutler-Hammer Inc
Fulton Sylphon Div
General Controls Co
Gray Co
Leslie Co
Komline-Sanderson Engrg Corp
Mason-Neilan Div
Milton Roy Co
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
Penn Controls
Fred H Schaub Engrg Co
Spence Engrg Co
United Elec Controls Co
Yeomans Bros Co

CONTROLS, REFRIGERATION

American-Standard Controls Div
Bristol Co
Carrier Corp
Cooper-Bessemer Corp
Cutler-Hammer, Inc
General Elec Co, Apparatus Sales Div
General Controls Co
Johnson Service Co
Leslie Co
Partlow Corp
Penn Controls
H A Phillips & Co
St Regis Paper Co
United Elec Controls Co

CONTROLS, REMOTE

Airmatic Valve
Automatic Switch Co
BIF Industries
Bailey Meter Co
Bin-Dicator Co
Blaco Mfg Co
Bristol Co
Cooper-Bessemer Corp
Crowell Designs
Cutler-Hammer Inc
Thomas A Edison Industries
Fairbanks, Morse & Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hannifin Co
Hastings-Raydist
Jordan Controls
Leeds & Northrup Co
Leslie Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Edw Renneburg & Sons Co
Republic Flow Meters Co
Research-Cottrell
Richardson Scale Co
Spence Engrg Co
Sperry Products Co
United Elec Controls Co
West Instrument Corp

CONTROLS, SAFETY

Magnetrol, Inc

American-Standard Controls Div
Chem Flow Corp
Cooper-Bessemer Corp
Cutler-Hammer Inc
Farris Engrg Corp
Fenwal Inc
Fulton-Sylphon Div
General Elec Co, Apparatus Sales Div
General Controls Co
Leeds & Northrup Co
Pyronics, Inc
Edw Renneburg & Sons Co
United Elec Controls Co

CONTROLS, SPEED

Airmatic Valve
Allis-Chalmers Mfg Co
Bailey Meter Co
Bin-Dicator Co
Bristol Co
Cooper-Bessemer Corp
Cutler-Hammer Inc
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hannifin Co
Jordan Controls
Leeds & Northrup Co
Link-Belt Co
Minneapolis-Honeywell, Industrial Products
Reliance Elec & Engrg Co
Edw Renneburg & Sons Co
Superior Elec Co

CONTROLS, TEMPERATURE

Airmatic Valve
American Instrument Co
American-Standard Controls Div
Apex Scientific Co
Atlas Valve Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Consolidated Controls Corp
Cutler-Hammer, Inc
Delta Tank Mfg Co
Eclipse Fuel Engrg Co, Combustion Div
Thomas A Edison Industries
Fenwal Inc
Fischer & Porter Co
Foxboro Co
Fulton-Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hallikainen Instruments
Johnson Service Co
Leeds & Northrup Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
OPW-Jordan
Partlow Corp
Phys-Chemical Reseach Corp
Penn Controls
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Edw Renneburg & Sons Co
Fred H Schaub Engrg Co
Simpson Elec Co
Spence Engrg Co
Thermo Elec Co
Thermolyne Corp
Tranter Mfg, Inc
United Elec Controls Co
Victory Engrg Corp
Weksler Instruments Corp
West Instrument Corp

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Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Cutler-Hammer Inc
Foxboro Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
General Controls Co
Leeds & Northrup Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Precision Distillation Apparatus Co
Research-Cottrell
Simpson Elec Co

CONTROLS, VACUUM

Airmatic Valve
American-Standard Controls Div
Associated Valve Co
Bailey Meter Co
Barksdale Valves
Black, Sivalls & Bryson
Bristol Co
Chem Flow Corp
Conoflow Corp
Consolidated Controls Corp
Consolidated Electrodynamics
F J Cooke Inc
Fischer & Porter Co
Foxboro Co
Fulton-Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Hannifin Co
Hastings-Raydist
Leeds & Northrup Co
Leslie Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Penn Controls
Precision Distillation Apparatus Co
Republic Flow Meters Co
F J Stokes Corp
United Elec Controls Co
Wallace & Tiernan Inc

CONTROLS, VALVE

Airmatic Valve
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Atlas Valve Co
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Bristol Co
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Continental Mfg Co
Crowell Designs
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Foxboro Co
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Hanna Engrg Works
Hannifin Co
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Mason-Neilan Div
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Moore Products Co
OPW-Jordan
H A Phillips & Co
RKL Controls, Inc
Republic Flow Meters Co
Rockwell Mfg Co
Schade Valve Mfg Co
Fred H Schaub Engrg Co

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Bendix Corp, Cincinnati Div
C W Brabender Instruments
Brookfield Engrg Labs
Fischer & Porter Co
Foxboro Co
Hallikainen Instruments
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Norcross Corp

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Conveyors & Dumpers Div
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Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hewitt-Robins
Island Equipment Corp
Jeffrey Mfg Co
Link-Belt Co
Kennedy Van Saun Mfg & Engrg Corp
Lippman Engrg Works
Logan Co
Manitowoc Shipbuilding, Inc
Manufacturers Equipment Co
Materials Handling Equipment Co
National Drying Machy Co
New London Engrg Co
Sprout, Waldron & Co
Standard Conveyor Co
Stephens-Adamson Mfg Co
Traylor Engrg & Mfg Div

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First Machy Corp
Heyl & Patterson, Inc

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Alvey Conveyor Mfg Co
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Baughman Mfg Co
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Bemis Bro Bag Co
Boardman Co
Brady Conveyors Corp
E W Buschman Co
Cambridge Wire Cloth Co
Chain Belt Co
Colorado Fuel & Iron Corp
Connecticut Hard Rubber Co
Continental Boiler & Sheet Iron Works
Conveyors & Dumpers Div
Denver Equipment Co
Harry J Ferguson Co
Flexoveyor Mfg Co
General Metals Inc
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hapman Corp
Hewitt-Robins
S Howes Co
Island Equipment Corp
Jeffrey Mfg Co
Joy Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Lippman Engrg Works
Logan Co
C W Logeman Co
MRM Co
Manitowac Shipbuilding, Inc
Manufacturers Equipment Co
Materials Handling Equipment Co
Mercer Rubber Co
Munson Mill Machy Co
New London Engrg Co
Pettibone Mulliken Corp
Posey Iron Works
Rapids-Standard Co
Edw Renneburg & Sons Co
Sandvik Steel
Sprout, Waldron & Co
Standard Conveyor Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
United States Rubber Co
Universal Road Machy Co
Wemco Div, Western Machy Co
Young Machy Co

CONVEYORS, BUCKET

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Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Baughman Mfg Co
Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Chain Belt Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Denver Equipment Co
Esco Corp
General Metals Inc
Gifford-Wood Co
Great Western Mfg Co
Gruendler Crusher & Pulverizer Co
Hewitt-Robins
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manufacturers Equipment Co
Materials Handling Equipment Co
Franklin P Miller & Son
Munson Mill Machy Co
New London Engrg Co
Rapids Machy Co
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Universal Road Machy Co
Walker Process Equipment
Young Machy Co

CONVEYORS, COOLING

First Machy Corp
►FULLER CO

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Alvey Conveyor Mfg Co
Brooklyn Blower & Pipe
E W Buschman Co
Cambridge Wire Cloth Co
Carrier Div
Chain Belt Co
Conveyors & Dumpers Div
Gifford-Wood Co
Hapman Corp
Hewitt-Robins
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Materials Handling Equipment Co
New London Mfg Co
Platecoil Div
Edw Renneburg & Sons Co
Sandvik Steel
Stephens-Adamson Mfg Co
Western Precipitation Div
Young Machy Co

CONVEYORS, DRAG

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Baughman Mfg Co
Beaumont Birch Co
Brady Conveyors Corp
E W Buschman Co
Chain Belt Co
Commercial Filters Corp
Esco Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hapman Corp
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Myers Sherman Co
New London Engrg Co
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Standard Conveyor Co
Stephens-Adamson Mfg Co
Young Machy Co

CONVEYORS, FLEXIBLE

Allied Steel & Conveyors Div
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E W Buschman Co
Cambridge Wire Cloth Co
Commercial Filters Corp
Flexoveyor Mfg Co
Hapman Corp
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Young Machy Co

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Baughman Mfg Co
Beaumont Birch Co
Bethlehem Foundry & Mach
Boardman Co
Brady Conveyors Corp
E W Buschman Co
Chain Belt Co
Arthur Colton Co
Conveyors & Dumpers Div
Day Co
Gifford-Wood Co
Hapman Corp
S Howes Co
Island Equipment Corp
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
MRM Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Franklin P Miller & Son
New London Engrg Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Young Machy Co

CONVEYORS, FLUIDIZING

►FULLER CO

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Brady Conveyors Corp
Carrier Div
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S Howes Co
Link-Belt Co
Prater Pulverizer Co
Robinson Pneumatic Conveyor Systems
Sprout, Waldron & Co
Young Machy Co

CONVEYORS, HINGE-TYPE

Allied Steel & Conveyors Div
Brady Conveyors Corp
E W Buschman Co
Flexoveyor Mfg Co
Gifford-Wood Co
S Howes Co
Link-Belt Co
National Drying Machy Co
New London Mfg Co
Edw Renneburg & Sons Co
Standard Conveyor Co

CONVEYORS, MAGNETIC

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
E W Buschman Co
Eriez Mfg Co
S Howes Co
Infilco Inc
Link-Belt Co
Logan Co
Rapids-Standard Co
Standard Conveyor Co

CONVEYORS, NATURAL FREQUENCY

Allied Steel & Conveyors Div
E W Buschman Co
Carrier Div
Chain Belt Co
Gifford-Wood Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co

CONVEYORS, OVERHEAD TRACK

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Baughman Mfg Co
E W Buschman Co
Cleveland Crane & Engrg Co
Colorado Fuel & Iron
Commercial Filters Corp
Flexoveyor Mfg Co
General Metals Inc
Hapman Corp
Link-Belt Co
Logan Co
Manufacturers Equipment Co
Rapids-Standard Co
Sparton Corp
Young Machy Co

CONVEYORS, PNEUMATIC

J H Day Co Div
►FULLER CO

Allen-Sherman-Hoff Co
Allied Steel & Conveyors Div
Baughman Mfg Co
Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Day Co
Delta Tank Mfg Co
Dracco Div
Filtres Inc
General Metals Inc
Kennedy Van Saun Mfg & Engrg Corp
M-D Blowers, Inc
Myers Sherman Co
National Conveyors Co
Prater Pulverizer Co
Pulverizing Machy Div
Read Standard Div
Robinson Pneumatic Conveyor Systems
Safety Industries, Enteloter Div
Spencer Turbine Co
Sprout, Waldron & Co
Swan Mfg Corp
Yeomans Bros Co
Young Machy Co

CONVEYORS, PORTABLE

►FULLER CO
Union Bag-Camp Paper Corp

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Barber-Greene Co
Baughman Mfg Co
Boardman Co
Brady Conveyors Corp
E W Buschman Co
Delta Tank Mfg Co
Denver Equipment Co
Harry J Ferguson Co
Flexoveyor Mfg Co
Hapman Corp
Island Equipment Corp
Joy Mfg Co
Lippmann Engrg Works
Link-Belt Co
MRM Co
Manufacturers Equipment Co
Myers Sherman Co
New London Mfg Co
Pettibone Mulliken Corp
Rapids-Standard Co
Edw Renneburg & Sons Co
Robinson Pneumatic Conveyor Systems
Sprout, Waldron & Co
Standard Conveyor Co
Wemco Div, Western Machy Co

CONVEYORS, PULVERIZED MATERIAL

First Machy Corp
►FULLER CO
Union Bag-Camp Paper Corp

Allen-Sherman-Hoff Co
Allied Steel & Conveyors Div
Baughman Mfg Co
Brady Conveyors Corp
Carrier Div
Chain Belt Co
Commercial Filters Corp
COMCO Corp
Conveyors & Dumpers Div
Day Co
Delta Tank Mfg Co
Denver Equipment Co
Dracco Div
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hapman Corp
Jeffrey Mfg Co
Joy Mfg Co
Link-Belt Co
Kennedy Van Saun Mfg & Engrg Corp
Lippman Engrg Works
Manufacturers Equipment Co
Materials Handling Equipment Co
Franklin P Miller & Son
Myers Sherman Co
New London Mfg Co
Pettibone Mulliken Corp
Prater Pulverizer Co
Pulverizing Machy Div
Robinson Pneumatic Conveyor Systems
Sprout, Waldron & Co
Wemco Div, Western Machy Co
Young Machy Co

CONVEYORS, ROLLER

First Machy Corp

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Baughman Mfg Co
E W Buschman Co
Arthur Colton Co
Harry J Ferguson Co
Flexoveyor Mfg Co
Gifford-Wood Co
Island Equipment Corp
Jeffrey Mfg Co
Link- Belt Co
Logan Co
MRM Co
Pettibone Mulliken Corp
Rapids-Standard Co
Read Standard Div
Edw Renneburg & Sons Co
Standard Conveyor Co

CONVEYORS, ROTARY TABLE

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
E W Buschman Co
Chain Belt Co
Denver Equipment Co
Hewitt-Robins
Island Equipment Corp
Link-Belt Co
C W Logeman Co
Manufacturers Equipment Co
MRM Co
Edw Renneburg & Sons Co

CONVEYORS, ROTARY TUBULAR

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Davis Foundry & Mach Works
Hapman Corp
S Howes Co
Link-Belt Co
Edw Renneburg & Sons Co
Sharples Corp

CONVEYORS, SCREEN

Ajax Flexible Coupling Co
Allied Steel & Conveyors Div
Boardman Co
Carrier Div
Cleveland Vibrator Co
COMCO Corp
Hewitt-Robins
S Howes Co
Link-Belt Co
Manufacturers Equipment Co
Edw Renneburg & Sons Co
Sharples Corp
Stephens-Adamson Mfg Co
Syntron Co

CONVEYORS, SCREW

Bennot Co
J H Day Co Div
D J Murray Mfg Co

Allied Steel & Conveyors Div
Allied Steel Products Corp
Baughman Mfg Co
Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Continental Boiler & Sheet Iron Works
Conveyors & Dumpers Div
Delta Tank Mfg Co
Gifford-Wood Co
Great Western Mfg Co
B F Gump Co
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Franklin P Miller & Son
Myers Sherman Co
New London Engrg Co
Edw Renneburg & Sons Co
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Walker Process Equipment
Young Machy Co

CONVEYORS, SLAT

Union Bag-Camp Paper Corp

Allied Steel & Conveyors Div
Alvey Conveyor Mfg Co
Barber-Greene Co
Brady Conveyors Corp
E W Buschman Co
Chain Belt Co
Conveyors & Dumpers Div
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Logan Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Myers Sherman Co
Read Standard Div
Edw Renneburg & Sons Co
Standard Conveyor Co
West Bend Equipment Corp

CONVEYORS, TRAY

Allied Steel & Conveyors Div
E W Buschman Co
Chain Belt Co
Conveyors & Dumpers Div
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Logan Co
Oliver Corp
Rapids-Standard Co
Standard Conveyor Co

CONVEYORS, TROLLEY

Allied Steel & Conveyors Div
E W Buschman Co
Cleveland Crane & Engrg Co
Commercial Filters Corp
Harry J Ferguson Co
Hapman Corp
Link-Belt Co
Logan Corp
Oliver Corp
Rapids-Standard Co

CONVEYORS, UNIVERSAL CARRIER

Allied Steel & Conveyors Div
E W Buschman Co
Jeffrey Mfg Co
Link-Belt Co

CONVEYORS, VIBRATING

Ajax Flexible Coupling Co
Allied Steel & Conveyors Div
Boardman Co
Buxton Mfg Co
Carrier Div
Chain Belt Co
Cleveland Vibrator Co
COMCO Corp
Davis Foundry & Mach Works
Dravo Corp
Gifford-Wood Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
New London Engrg Co
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

CONVEYORS, WASHING

Allied Steel & Conveyors Div
Brooklyn Blower & Pipe
E W Buschman Co
Carrier Div
Hapman Corp
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co

CONVEYORS, WEIGHING

Allied Steel & Conveyors Div
BIF Industries
Boardman Co
E W Buschman Co
Carrier Div
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Merrick Scale Mfg Co
Richardson Scale Co
Stephens-Adamson Mfg Co
Wallace & Tiernan Inc
Weighing & Controls Inc

COOKERS, PRESSURE

Allied Steel Products Corp
Bethlehem Steel Co
Bishopric Products Co
Brighton Corp
Graver Tank & Mfg Co
Nooter Corp
Joseph Oat & Sons
Pfaudler Co Div
Edw Renneburg & Sons Co
Terriss-Consolidated Industries

COOKERS, STEAM

Standard Steel Corp

Allied Steel Products Corp
Alten Foundry & Mach Works
V D Anderson Co
Bethlehem Steel Co
Bishopric Products Co
Brighton Corp
Matt Corcoran Co
Dean Products Inc
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Rietz Mfg Co

COOKERS, STEAM AUTOCLAVE

Standard Steel Corp

Allied Steel Products Corp
Alten Foundry & Mach Works
Bethlehem Foundry & Mach
Bethlehem Steel Co
S Blickman, Inc
General Controls Co
Graver Tank & Mfg Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Trinity Steel Co

COOLERS, ACID

►**HENRY VOGT MACH CO**

Allied Steel Products Corp
R M Armstrong Co
Automotive Rubber Co
Bethlehem Steel Co
Brown Fintube Co
Buxton Mfg Co
Carbone Corp
Colonial Iron Works Co
Condenser Service & Engrg Co
Matt Corcoran Co
Corning Glass Works
Dean Products Inc
Downingtown Iron Works
Falls Industries
Graham Mfg Co, Heliflow Corp
Haveg Industries
Industrial Process Engrs
Knapp Mills Inc
National Carbon Co
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pfaudler Co Div
Southwestern Engrg Co
Tranter Mfg, Inc
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
York Corp

COOLERS, AIR

Acme Industries
Allied Steel Products Corp
American Air Filter Co
Brown Fintube Co
Buffalo Forge Co
Buxton Mfg Co
Carrier Corp
Chicago Pneumatic Tool Co
Condenser Service & Engrg Co
Controlled Atmosphere Enclosures Mfg Co
Dean Products Inc
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Jeffrey Mfg Co
Johnson Corp
Link-Belt Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Schutte & Koerting Co
Sprout, Waldron & Co
Trane Co
Tranter Mfg, Inc
United States Stoneware Co
Vilter Mfg Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, AIR QUENCHING

►**FULLER CO**

Bethlehem Steel Co
Carrier Div
Dean Products Inc
Kennedy Van Saun Mfg & Engrg Corp
Patterson-Kelley Co
Old Dominion Iron & Steel Corp
Trane Co
York Corp
Young Radiator Co

COOLERS, AMMONIA

R M Armstrong Co
Bethlehem Steel Co
Brown Fintube Co
Buxton Mfg Co
Condenser Service & Engrg Co
Dean Products Inc
Downingtown Iron Works
Duriron Co
Industrial Process Engrs
Old Dominion Iron & Steel Corp
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Platecoil Div
Southwestern Engrg Co
Trane Co
Trinity Steel Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co
York Corp

COOLERS, BRINE

►**HENRY VOGT MACH CO**

Acme Industries
Allied Steel Products Corp
R M Armstrong Co
Bethlehem Steel Co
Brown Fintube Co
Buxton Mfg Co
Condenser Service & Engrg Co
Dean Products Inc
Downingtown Iron Works
Duriron Co
Falls Industries
Haveg Industries
Knapp Mills Inc
National Carbon Co
Nooter Corp
Pfaudler Co Div
Patterson-Kelley Co
Platecoil Div
Edw Renneburg & Sons Co
Trinity Steel Co
Vilter Mfg Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, CARBON DIOXIDE

Bethlehem Steel Co
Condenser Service & Engrg Co
Dean Products Inc
Gas Atmospheres
Graham Mfg Co, Heliflow Corp
Patterson-Kelley Co
Old Dominion Iron & Steel Corp
Southwestern Engrg Co
Trinity Steel Co
Vilter Mfg Co
Whitlock Mfg Co
York Corp

COOLERS, CASCADE

Carbone Corp
Corning Glass Works
Dean Products Inc
Falls Industries
Haveg Industries
Knapp Mills Inc
National Carbon Co
Nooter Corp
Old Dominion Iron & Steel Corp
Tranter Mfg, Inc
United States Stoneware Co
Vilter Mfg Co

COOLERS, ELECTRO VIBRATING

Jeffrey Mfg Co
Link-Belt Co
Syntron Co

COOLERS, EVAPORATIVE

Niagara Blower Co

Acme Industries
Bethlehem Steel Co
Buflovak Equipment Div
Carrier Corp
Downingtown Iron Works
Engineering Controls
General American Transportation Corp
Graham Mfg Co, Heliflow Corp
Link-Belt Co
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Swenson Evaporator Co
Trane Co
Tranter Mfg, Inc
Vilter Mfg Co
Vulcan Mfg
York Corp
Young Radiator Co

COOLERS, GAS

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**
►**HENRY VOGT MACH CO**

R M Armstrong Co
Automotive Rubber Co
Bethlehem Steel Co
Brown Fintube Co
Buxton Mfg Co
Carbone Corp
Condenser Service & Engrg Co
Matt Corcoran Co
Dean Products Inc
Downingtown Iron Works
Engineering Controls
Falls Industries
Gas Atmospheres
Gas Machy Co
Griscom-Russell Co
Graham Mfg Co, Heliflow Corp
Heatron, Inc
Industrial Process Engrs
National Carbon Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Southwestern Engrg Co
Trane Co
Vilter Mfg Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, OIL

►**HENRY VOGT MACH CO**

Acme Industries
R M Armstrong Co
Bethlehem Steel Co
Brown Fintube Co
Buxton Mfg Co
Condenser Service & Engrg Co
Dean Products, Inc
Downingtown Iron Works
Engineering Controls
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Heatron, Inc
Industrial Process Engrs
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Schutte & Koerting Co
Southwestern Engrg Co
Trane Co
Tranter Mfg, Inc
Vilter Mfg Co
Western Supply Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, ROTARY

Bonnet Co
First Machy Corp
Standard Steel Corp

R M Armstrong Co
Bethlehem Steel Co
Boardman Co
Buffalo Forge Co
Buflovak Equipment Div
General American Transportation Corp
Goslin-Birmingham Mfg Co
Hardinge Co
Industrial Process Engrs
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Inc
Nooter Corp
Orville Simpson Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
F L Smidth & Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Div

COOLERS, SAMPLE FLUID

American Water Softener Co
Buxton Mfg Co
Cochrane Div
Graham Mfg Co, Heliflow Corp
Orville Simpson Co
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Vilter Mfg Co
Whitlock Mfg Co
Young Radiator Co

COOLERS, WATER

Croll-Reynolds Co
Haws Drinking Faucet Co
Niagara Blower Co
►HENRY VOGT MACH CO

Acme Industries
R M Armstrong Co
Boardman Co
Carrier Corp
Croll-Reynolds Engrg Co
Engineering Controls
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Industrial Process Engrs
Nooter Corp
Old Dominion Iron & Steel Corp
Orville Simpson Co
Patterson-Kelley Co
Southwestern Engrg Co
Trane Co
Tranter Mfg, Inc
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, WAX

R M Armstrong Co
Buflovak Equipment Div
Condenser Service & Engrg Co
Goslin Birmingham Mfg Co
Graham Mfg Co, Heliflow Corp
Patterson-Kelley Co
Old Dominion Iron & Steel Corp
Edw Renneburg & Sons Co
T Shriver & Co
Tranter Mfg, Inc
York Corp

COOLING TOWERS, SPRAY

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Arrow Tank Co
Bethlehem Steel Co
Boardman Co
Carrier Corp
Foster Wheeler Corp
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Leader Iron Works
Lilie-Hoffmann Cooling Towers
Marley Co
National-US Radiator Corp
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J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Swenson Evaporator Co
York Corp

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►METAL & THERMIT CORP

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Areo Co
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Bishopric Products Co
Calorizing Co
Chase Chem Corp
Colonial Plastics Mfg Co
Cromwell Paper Co
Eagle-Picher Co
Electro Chem Engrg & Mfg Co
Esco Corp
Fansteel Metallurgical Corp
Flexi-Liner Co
Haveg Industries
General Elec Co, Metallurgical Products Dept
Haynes Stellite Co
Heil Process Equipment
Knapp Mills Inc
Luzerne Rubber Co
Mercer Rubber Co
Patterson-Kelley Co
Pfaudler Co Div
Polymer Corp
Sel-Rex Corp
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United States Stoneware Co
Wall Colmonoy Corp
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►SWEPCO TUBE CORP

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Aluminum Co of America
Amercoat Corp
American Hard Rubber Co
American Smelting & Refining Co
Arrow Tank Co
Ampco Metal
Automotive Rubber Co
Bishopric Products Co
Bridgeport Brass Co
Calorizing Co
Chase Brass & Copper Co
Chase Chem Corp
Colonial Plastics Mfg Co
Combustion Engrg
Matt Corcoran Co
Corning Glass Works
Crescent Insulated Wire & Cable Co
Division Lead Co
Duriron Co
Esco Corp
Evanite Plastic Co
Falls Industries
B F Goodrich Industrial Products Co
Harvey Aluminum
Haveg Industries
Haynes Stellite Co
Heil Process Equipment
Huntington Alloy Products Div
Knapp Mills Inc
Luzerne Rubber Co
Mercer Rubber Co
W K Mitchell & Co
National Carbon Co
Pfaudler Co Div
Polymer Corp
Republic Steel Corp, Steel & Tube Div
Resistoflex Corp
Revere Copper & Brass
A O Smith Corp
Spiral-Glas Pipe Co
Stainless Products, Inc
Union Steel Corp
United States Stoneware
Wyatt Metal & Boiler Works Div

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►DRESSER ELECTRONICS

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General Elec Co, Apparatus Sales Div
General Radio Co
Richardson Scale Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

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Bowmar Instrument Corp
Bristol Co
Fischer & Porter Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gyra Electronics Corp
Richardson Scale Co
Simpson Elec Co

COUNTERS, MICROPARTICLE

Clay-Adams

COUNTING MACHINES, REVOLUTIONS

Beckman Instruments, Berkeley Div
Bristol Co
General Controls Co
Simpson Elec Co

COUPLES, PYROMETER

Fisher Scientific Co

Bristol Co
General Elec Co, Apparatus Sales Div
Thermolyne Corp
Trinity Equipment Corp

COUPLINGS, CHAIN

Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Link-Belt Co

COUPLINGS, ELBOW

Colonial Plastics Mfg Co
Dresser Mfg Div
Grinnell Co
Ladish Co
Parker Fittings & Hose Div
Stockham Valves & Fittings

COUPLINGS, FLEXIBLE

Aeroquip Corp, Marman Div
Ajax Flexible Coupling Co
Automotive Rubber Co
E W Bliss Co
Chain Belt Co
Consolidated Controls Corp
Croll Reynolds Engrg Co
Diamond Chain Co
Dodge Mfg Corp
Falk Corp
Fulton-Sylphon Div
Garlock Inc
Hewitt-Robins
D O James Gear Mfg Co
Jeffrey Mfg Co
Kinetic Dispersion Corp
Koppers Co, Metal Products Div
Link-Belt Co
Resistoflex Corp
Sier-Bath Gear & Pump Co
Thomas Flexible Coupling Co
Twin Disc Clutch Co

COUPLINGS, FLUID

Aeroquip Corp
Consolidated Controls Corp
Crawford Fitting Co
Dodge Mfg Corp
Electra Motors
Gray Co
Lincoln Engrg Co
Link-Belt Co
Parker Fittings & Hose Div
Snap-Tite, Inc
Stockham Valves & Fittings
Twin Disc Clutch Co

COUPLINGS, HOSE

Aeroquip Corp
Airetool Mfg Co
Chase Brass & Copper Co
Chicago Pneumatic Tool Co
Consolidated Controls Corp
B F Goodrich Industrial Products Co
Gray Co
Hewitt-Robins
Hose Accessories Co
Imperial-Eastman Corp
Lincoln Engrg Co
OPW-Jordan
Parker Fittings & Hose Div
Polymer Corp
Resistoflex Corp
Schramm, Inc
Snap-Tite, Inc
Stewart-Warner Corp, Alemite Div
United States Rubber Co
Victaulic Co of America
Wheaton Brass Works

COUPLINGS, PIPE

►JOHNS-MANVILLE
►HENRY VOGT MACH CO

Aeroquip Corp, Marman Div
Ampco Metal
Bethlehem Steel Co
Chase Brass & Copper Co
Colonial Plastics Mfg Co
Consolidated Controls Corp
Dresser Mfg Div
B F Goodrich Industrial Products Co
Grinnell Co
Haveg Industries
Ladish Co
Morris Coupling & Clamp
OPW-Jordan
Parker Fittings & Hose Div
Polymer Corp
H K Porter Co, Forge & Fittings Div
Resistoflex Corp
Snap-Tite, Inc
Speedline Fittings Div
Stainless Products, Inc
Stockham Valves & Fittings
Tube Turns Div
Victaulic Co of America
Walworth Co

COUPLINGS, RIGID

Ajax Flexible Coupling Co
Dodge Mfg Corp
Dresser Mfg Div
Falk Corp
Grinnell Co
Nettco Corp
Ladish Co
Link-Belt Co
Parker Fittings & Hose Div
Snap-Tite, Inc
Victaulic Co of America

COUPLINGS, SELF-SEALING

Aeroquip Corp
Snap-Tite, Inc
Victaulic Co of America
Wheaton Brass Works

COUPLINGS, SHAFT

Ajax Flexible Coupling Co
Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Falk Corp
Flexonics Div
D O James Gear Mfg Co
Jeffrey Mfg Co
Koppers Co, Metal Products Div
Link-Belt Co
Lord Mfg Co
Sier-Bath Gear & Pump Co
Thomas Flexible Coupling Co

COUPLINGS, TANK CAR

Victaulic Co of America
Wheaton Brass Works

COVERINGS, PIPE

►JOHNS-MANVILLE

Ladish Co

COVERS, DRUM

►CHASE BAG CO

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Whiting Corp

CRANES, CRAWLER

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Elwell-Parker Elec Co
Electro Lift, Inc
Revolvator Co
Robbins & Myers, Hoist & Crane Div
Whiting Corp
Wright Hoist Div

CRANES, HAND OPERATED

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Robbins & Myers, Hoist & Crane Div
Revolvator Co
Swenson Evaporator Co
Uhrden, Inc
Whiting Corp
Wright Hoist Div

CRANES, JIB & BOOM

Barrett-Cravens Co
Cleveland Crane & Engrg Co
Whiting Corp
Robbins & Myers, Hoist & Crane Div
Wright Hoist Div

CRANES, MAGNET

Whiting Corp

CRANES, TRAVELING

Heyl & Patterson, Inc

Cleveland Crane & Engrg Co
Detroit Hoist & Mach Co
Electro-Lift, Inc
Stearns-Roger Mfg Co
Robbins & Myers, Hoist & Crane Div
Whiting Corp
Wright Hoist Div

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Victaulic Co of America

CRUCIBLES, CARBON

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Electro Refractories & Abrasives Corp
Falls Industries
National Carbon Co

CRUCIBLES, CLAY

Crucible Steel Co of America
A P Green Fire Brick Co
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Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
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Lippmann Engrg Works
Franklin P Miller & Son
Nordberg Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Young Machy Co

CRUSHERS, DISK

Bonnot Co
First Machy Corp

S Howes Co
Franklin P Miller & Son
Munson Mill Machy Co
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Young Machy Co

CRUSHERS, GYRATORY

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Allis-Chalmers Mfg Co
Esco Corp
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Franklin P Miller & Son
Nordberg Mfg Co
Charles Ross & Son Co
Southwestern Engrg Co
Traylor Engrg & Mfg Div

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Bonnot Co
First Machy Corp

Allis-Chalmers Mfg Co
American Pulverizer Co
Buffalo Hammer Mill Corp
Esco Corp
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Manitowoc Shipbuilding, Inc
Franklin P Miller & Son
Munson Mill Machy Co
Myers Sherman Co
Prater Pulverizer Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Williams Patent Crusher & Pulverizer Co
Young Machy Co

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American Pulverizer Co
Gifford-Wood Co
Link-Belt Co
Franklin P Miller & Son
Charles Ross & Son Co

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American Pulverizer Co
Esco Corp
Gruendler Crusher & Pulverizer Co
T J Gundlach Mach Co
Jeffrey Mfg Co
Joy Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Franklin P Miller & Son
Manitowoc Shipbuilding, Inc
Munson Mill Machy Co
Nordberg Mfg Co
Prater Pulverizer Co
Pulverizing Machy Div
Rietz Mfg Co
Southwestern Engrg Co
Stedman Foundry & Mach Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Williams Patent Crusher & Pulverizer Co
Young Machy Co

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Abbe Engrg Co
Allis-Chalmers Mfg Co
Denver Equipment Co
Esco Corp
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Franklin P Miller & Son
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Universal Road Machy Co

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Pulva Corp

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Allis-Chalmers Mfg Co
American Pulverizer Co
Buffalo Hammer Mill Corp
Denver Equipment Co
Gruendler Crusher & Pulverizer Co
International Engrg
Jeffrey Mfg Co
Franklin P Miller & Son
Kennedy Van Saun Mfg & Engrg Corp
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Williams Patent Crusher & Pulverizer Co
Young Machy Co

CRUSHERS, RING

Bonnot Co
First Machy Corp

American Pulverizer Co
Gruendler Crusher & Pulverizer Co
S Howes Co
Jeffrey Mfg Co
Franklin P Miller & Son
Charles Ross & Son Co
Williams Patent Crusher & Pulverizer Co

CRUSHERS, ROLL

First Machy Corp
Pulva Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Beaumont Birch Co
Denver Equipment Co
Esco Corp
Gruendler Crusher & Pulverizer Co
T J Gundlach Mach Co
S Howes Co
International Engrg
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Lippmann Engrg Works
Franklin P Miller & Son
Posey Iron Works
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Williams Patent Crusher & Pulverizer Co
Young Machy Co

CRUSHERS, ROTARY

Bonnot Co

Abbe Engrg Co
Esco Corp
Gruendler Crusher & Pulverizer Co
Kennedy Van Saun Mfg & Engrg Corp
Franklin P Miller & Son
Munson Mill Machy Co
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Young Machy Co

CRUSHERS, SAW TOOTH

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Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Young Machy Co

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American Pulverizer Co
Denver Equipment Co
Esco Corp
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Franklin P Miller & Son
Nordberg Mfg Co
Stedman Foundry & Mach Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Williams Patent Crusher & Pulverizer Co

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Cooper-Bessemer Corp
Cryogenerators, Inc
Esco Corp
Graver Tank & Mfg Co
General American Transportation Corp
Gulton Industries
Leeds & Northrup Co
Linde Co
Superior Air Products Co
Trinity Steel Co
Vulcan Mfg
Wyatt Metal & Boiler Works Div

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R M Armstrong Co
General American Transportation Corp
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Rietz Mfg Co
Stearns-Roger Mfg Co
Swenson Evaporator Co

CRYSTALLIZERS, EVAPORATOR

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►HENRY VOGT MACH CO

Allied Steel Products Corp
R M Armstrong Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Colonial Iron Works Co
General American Transportation Corp
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Rietz Mfg Co
Stearns-Roger Mfg Co
Struthers Wells Corp
Swenson Evaporator Co
Vulcan Mfg
Wurster & Sanger

CRYSTALLIZERS, VACUUM

First Machy Corp
Standard Steel Corp

R M Armstrong Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
J P Devine Mfg Co
Downingtown Iron Works
General American Transportation Corp
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Swenson Evaporator Co

CUPS, GREASE

►JOHNS-MANVILLE

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Lunkenheimer Co

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Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
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Mico Instrument Co
Munson Mill Machy Co
Sprout, Waldron & Co
Young Machy Co

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Airetool Mfg Co
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Dorr-Oliver Inc
Equipment Engrs
Wemco Div, Western Machy Co

CYLINDERS, AMMONIA

Bethlehem Steel Co
Chicago Bridge & Iron Co
General American Transportation Corp
Cylinders, Inc
Nooter Corp
Pressed Steel Tank Co

CYLINDERS, CHLORINE

Bethlehem Steel Co
Cylinders, Inc
Nooter Corp
General American Transportation Corp
Pressed Steel Tank Co

CYLINDERS, COMPRESSED GAS

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Coyne Cylinder Co
Cylinders, Inc
Delta Tank Mfg Co
General American Transportation Corp
Kahn & Co
Walter Kidde & Co, Industrial & Marine Div
Nooter Corp
Pressed Steel Tank Co

CYLINDERS, DISPOSABLE

Walter Kidde & Co, Industrial & Marine Div
Nooter Corp

CYLINDERS, FLUOROPLASTIC

Nooter Corp

CYLINDERS, HYDRAULIC

Acipco Steel Products Div
Airmatic Valve
American Cast Iron Pipe Co
Bethlehem Steel Co
Crowell Designs
Galland-Henning Mfg Co
Gas Machy Co
Graham Transmissions Inc
Hanna Engrg Works
Hannifin Co
Nooter Corp
Oilgear Co
W G Rovang & Assoc

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Chicago Bridge & Iron Co
Combustion Engrg
Cylinders, Inc
Delta Tank Mfg Co
Foster Wheeler Corp
General American Transportation Corp
Nooter Corp
Pressed Steel Tank Co
Superior Air Products Co
Trinity Steel Co

CYLINDERS, PNEUMATIC

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Bethlehem Steel Co
Galland-Henning Mfg Co
Hanna Engrg Works
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Kidde Aero-Space Div
Nooter Corp
RKL Controls, Inc
W G Rovang & Assoc
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Chicago Bridge & Iron Co
Colonial Iron Works Co
Cylinders, Inc
Delta Tank Mfg Co
Walter Kidde & Co, Industrial & Marine Div
General American Transportation Corp
Nooter Corp
Posey Iron Works
Pressed Steel Tank Co
Trinity Steel Co

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Acipco Steel Products Div
Alten Foundry & Mach Works
American Cast Iron Pipe Co
Bethlehem Steel Co
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Coyne Cylinder Co
Cylinders, Inc
Delta Tank Mfg Co
Engineering Controls
Foster Wheeler Corp
Galland-Henning Mfg Co
General American Transportation Corp
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Kennedy Tank & Mfg Co
Walter Kidde & Co, Industrial & Marine Div
Kirk & Blum Mfg Co
Nooter Corp
Posey Iron Works
Pressed Steel Tank Co
Stover Co
Trinity Steel Co

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Alloy Products Corp
Alten Foundry & Mach Works
Bethlehem Steel Co
S Blickman, Inc
Chicago Bridge & Iron Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Coyne Cylinder Co
Cylinders, Inc
Delta Tank Mfg Co
Engineering Controls
Falstrom Co
Foster Wheeler Corp
General American Transportation Corp
E Keeler Co
Kennedy Tank & Mfg Co
Walter Kidde & Co, Industrial & Marine Div
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Gulton Industries
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Leeds & Northrup Co
TRW Computers Co

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American Water Softener Co
Boardman Co
Chem-Pure Service Co
Chemineer, Inc
Cochrane Div
Colonial Iron Works Co
Condenser Service & Engrg Co
Delta Tank Mfg Co
Downingtown Iron Works
Elgin Softener Corp
Graham Mfg Co, Heliflow Corp
Graver Water Conditioning Co
Industrial Process Engrs
Infilco Inc
Kennedy Tank & Mfg Co
Nooter Corp
Permutit Co
Edw Renneburg & Sons Co
Rodney Hunt Mach Co
Fred H Schaub Engrg Co
A O Smith Corp
Arthur F Smith, Inc
Walker Process Equipment

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L-A Water Conditioning Inc

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Boardman Co
Chem-Pure Service Co
Cochrane Div
Culligan, Inc
Elgin Softener Corp
Infilco Inc
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
Nooter Corp
Permutit Co
Sumco Engrg, Inc

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Industrial Process Engrs
Kennedy Tank & Mfg Co
Nooter Corp
Sharples Corp
Star Tank & Filter Corp
Tolhurst Centrifugals Div
Vic Mfg Co
Vulcan Mfg

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Boardman Co
Chem-Pure Service Co
Cochrane Div
Culligan Inc
Nooter Corp
Ogden Filter Co
Wallace & Tiernan Inc

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L-A Water Conditioning Inc

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American Water Softener Co
Arrow Tank Co
Chem-Pure Service Co
Cochrane Div
Graver Tank & Mfg Co
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
Infilco Inc
Narda Ultrasonics Corp
Nooter Corp
Permutit Co
Arthur F Smith, Inc
Walker Process Equipment

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National Ultrasonic Corp
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Speco, Inc
Sumco Engrg, Inc
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Carrier Corp
Controlled Atmosphere Enclosures Mfg Co
Desomatic Products Div
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Gas Atmospheres
Kahn & Co
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Speco, Inc
Surface Combustion Div
Trane Co
Trinity Equipment Corp

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Advance Industries
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Artisan Metal Products
Baker Perkins
Black, Sivalls & Bryson
Boardman Co
Delta Tank Mfg Co
Desomatic Products Div
Gas Atmospheres
Kahn & Co
C M Kemp Mfg Co
McIntire Co
J F Pritchard & Co of Cal
Ernest Scott & Co
Selas Corp of America
Sharples Corp
Stearns-Roger Mfg Co
Surface Combustion Div
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American Water Softener Co
Barnstead Still & Sterilizer Co
Bio-Rad Labs
Chem-Pure Service Co
Cochrane Div
Culligan Inc
Dorr-Oliver Inc
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Elgin Softener Corp
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Kutlir Labs
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Cochrane Div
Culligan Inc
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Illinois Water Treatment Co
Industrial Filter & Pump Mfg Co
Infilco Inc
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LaMotte Chem Products Co
Nooter Corp
Ogden Filter Co
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Penfield Mfg Co
Permutit Co
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Copes-Vulcan Div
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Hastings-Raydist
Heatron, Inc
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Bristol Co
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Walter Kidde & Co, Industrial & Marine Div
Mine Safety Appliances
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Flexi-Liner Co
Haveg Industries
Polymer Corp
Raybestos-Manhatten
Reliance Plastic & Chem Corp
Sterling Packing & Gasket Co
Tri-Point Plastics Inc

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Chemical & Power Products
Chicago-Allis Mfg Corp
Colonial Plastics Mfg Co
Gates Rubber Co
Goshen Rubber Co
Haveg Industries
Hewitt-Robins
E F Houghton & Co
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A O Smith Corp
Stearns-Roger Mfg Co
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Vulcan Mfg
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Franklin P Miller & Son
Posey Iron Works
Rietz Mfg Co
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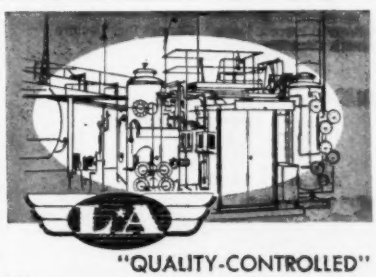
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Raybestos-Manhattan

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National Filter Media Corp

Alsop Engrg Corp
American Felt Co
Cambridge Filter Corp
Cellulo Co
Eaton-Dikeman Co
Eimco Corp
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Engelhard Industries
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Haveg Industries
Pressure Products Industries
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Kinetic Dispersion Corp
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Franklin P Miller & Son
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Union Process Co
Wemco Div, Western Machy Co

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Gas Atmospheres
Industrial Process Engrs
General Elec Co, Apparatus Sales Div

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J H Day Co Div

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Kinetic Dispersion Corp
Patterson Foundry & Mach Co
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Allied Steel Products Corp
American Instrument Co
Artisan Metal Products
Badger Mfg Co
Brighton Corp
Braun-Knecht-Heimann Co
Chem Flow Corp
Chicago Bridge & Iron Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Consolidated Vacuum Corp
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Corning Glass Works
Detrex Chem Industries
Downingtown Iron Works
Electric Hotpack Co
Engineering Controls
Falls Industries
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Black, Sivalls & Bryson
Cochrane Div

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American Pulley Co
Cleveland Worm & Gear Div
Cutler-Hammer Inc
Dodge Mfg Corp
Falk Corp
General Elec Co, Apparatus Sales Div
Graham Transmissions Inc
B F Gump Co
Hewitt-Robins
Link-Belt Co
Marathon Elec Mfg Corp
Oilgear Co
Pfaudler Co Div
Reliance Elec & Engrg Co
Stephens-Adamson Mfg Co
United States Elec Motors
Worthington Corp

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Denver Equipment Co
Falk Corp
Hardinge Co
General American Transportation Corp
Hewitt-Robins
Industrial Process Engrs
Link-Belt Co
Mixing Equipment Co
Nettco Corp
Charles Ross & Son Co
A O Smith Corp
United States Elec Motors

DRIVES, CHAIN

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Barber-Greene Co
Bowmar Instrument Corp
Chain Belt Co
Dodge Mfg Corp
Hewitt-Robins
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Pfaudler Co Div
Edw Renneburg & Sons Co
A O Smith Corp

DRIVES, CONTROL

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Bailey Meter Co
Cleveland Worm & Gear Div
Falk Corp
General Elec Co, Apparatus Sales Div
Link-Belt Co
Oilgear Co
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General Elec Co, Apparatus Sales Div
Hewitt-Robins
Nettco Corp
Pfaudler Co Div
Republic Flow Meters Co
Sterling Elec Motors
United States Elec Motors

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Dodge Mfg Corp
Link-Belt Co
Oilgear Co
Reliance Elec & Engrg Co
Rockwell Mfg Co

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Barber-Greene Co
Cleveland Worm & Gear Div
Falk Corp
General Elec Co, Apparatus Sales Div
General Mach Co of N J
Hewitt-Robins
D O James Gear Mfg Co
Link-Belt Co
Pfaudler Co Div
Reliance Elec & Engrg Co
Edw Renneburg & Sons Co
F L Smidth & Co
A O Smith Corp
Sterling Elec Motors
United States Elec Motors

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General Elec Co, Apparatus Sales Div
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Link-Belt Co
Syntron Co

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Falk Corp
B F Gump Co
S Howes Co
Industrial Process Engrs
Jeffrey Mfg Co

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Dodge Mfg Corp
General Elec Co, Apparatus Sales Div
Falk Corp
Hewitt-Robins
S Howes Co
Industrial Process Engrs
Pfaudler Co Div
Sterling Elec Motors
United States Elec Motors

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Hewitt-Robins
S Howes Co
Industrial Process Engrs
Link-Belt Co
A O Smith Corp

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Allied Steel & Conveyors Div
American Pulley Co
Barber-Greene Co
Dodge Mfg Corp
Gates Rubber Co
General Elec Co, Apparatus Sales Div
Hewitt-Robins
S Howes Co
Pfaudler Co Div
Worthington Corp

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Link-Belt Co
Republic Flow Meters Co
Schade Valve Mfg Co

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Bowmar Instrument Corp
Cleveland Worm & Gear Div
Cutler-Hammer Inc
Dodge Mfg Corp
Falk Corp
Gates Rubber Co
General Elec Co, Apparatus Sales Div
Graham Transmissions Inc
B F Gump Co
Hewitt-Robins
Link-Belt Co
Marathon Elec Mfg Corp
Oilgear Co
Pfaudler Co Div
Reliance Elec & Engrg Co
Republic Flow Meters Co
Sterling Elec Motors
United States Elec Motors
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Conveyors & Dumpers Div
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Fairbanks Co
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Gifford-Wood Co
Hamilton Caster & Mfg Co
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Jeffrey Mfg Co
Link-Belt Co
Little Giant Products
Materials Handling Equipment Co
Republic Steel Co
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Uhrden, Inc
West Bend Equipment Corp
Paul O Young Co

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Bethlehem Steel Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Industrial Process Engrs
Inland Steel Container Co
Knapp Mills Inc
Nooter Corp
Ohio Corrugating Co
Pressed Steel Tank Co
Rheem Mfg Co, Container Div
U S Steel Products Div
Vulcan Containers

DRUMS, AGITATING

Bethlehem Steel Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Hodgson Engrg & Mfg Co
Industrial Process Engrs
Inland Steel Container Co
Franklin P Miller & Son
Nooter Corp
Ohio Corrugating Co
Rheem Mfg Co, Container Div
U S Steel Products Div
Vulcan Containers

DRUMS, ALLOY

Allied Steel Products Corp
Bethlehem Steel Co
Delta Tank Mfg Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Nooter Corp
Pressed Steel Tank Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

DRUMS, ALUMINUM

Allied Steel Products Corp
Aluminum Co of America
Delta Tank Mfg Co
Graver Tank & Mfg Co
Inland Steel Container Co
Nooter Corp

DRUMS, FIBER

►CONTINENTAL CAN CO
General Container Co
►GREIF BROS COOPERAGE CORP

Black, Sivalls & Bryson
Delaware Barrel & Drum Co
Master Package Corp
Middlesex Paper Tube Co
Owens-Illinois Glass Co, Paper Products Div
Rheem Mfg Co, Container Div

DRUMS, LEAD LINED

American Smelting & Refining Co
Delta Tank Mfg Co
Division Lead Co
Hauser-Stander Tank Co
Knapp Mills Inc
United States Stoneware Co

DRUMS, MAGNETIC

Eriez Mfg Co
Infilco Inc

DRUMS, MOLDED POLYETHYLENE

General Container Co
Hedwin Corp

Bemis Bro Bag Co
Delaware Barrel & Drum Co
Industrial Can Co

DRUMS, NICKEL

Allied Steel Products Corp
Delta Tank Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Nooter Corp
Pressed Steel Tank Co

DRUMS, REMOVABLE HEAD

General Container Co
►GREIF BROS COOPERAGE CORP
Hedwin Corp

Delaware Barrel & Drum Co
Delta Tank Mfg Co
Eastern Steel Barrel Corp
Fetter Steel Barrel Corp
Foster Wheeler Corp
Inland Steel Container Co
Ohio Corrugating Co
Rheem Mfg Co, Container Div
Southline Metal Products Co
U S Steel Products Div
Vulcan Containers

DRUMS, RUBBER LINED

►GOODALL RUBBER CO
►GREIF BROS COOPERAGE CORP

American Hard Rubber Co
Automotive Rubber Co
Delta Tank Mfg Co
B F Goodrich Industrial Products Co
Graver Tank & Mfg Co
Heil Process Equipment Corp
Mercer Rubber Co
Nooter Corp
Raybestos-Manhattan

DRUMS, STEEL

►CONTINENTAL CAN CO
General Container Co
►GREIF BROS COOPERAGE CORP

Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
Delaware Barrel & Drum
Delta Tank Mfg Co
Eastern Steel Barrel Corp
Fetter Steel Barrel Corp
Foster Wheeler Corp
Geuder, Paeschke & Frey
Graver Tank & Mfg Co
Inland Steel Container Co
E Keeler Co
National Can Corp
Nooter Corp
Ohio Corrugating Co
Republic Steel Corp
Rheem Mfg Co, Container Div
Southline Metal Products Co
U S Hoffman Can Corp
U S Steel Products Div
Vulcan Containers

DRUMS, STEEL, STAINLESS

►ACETO CHEM CO
General Container Co

Allied Steel Products Corp
Bethlehem Steel Co
S Blickman Inc
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Falstrom Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Inland Steel Container Co
Nooter Corp
Pressed Steel Tank Co
Edw Renneburg & Sons Co
Republic Steel Corp
Rheem Mfg Co, Container Div
Terriss-Consolidated Industries
U S Steel Products Div

DRUMS, VACUUM

Advance Industries
Bethlehem Foundry & Mach Co
Delta Tank Mfg Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Nooter Corp

DRYERS, AIR

Niagara Blower Co

Advance Industries
Allied Steel Products Corp
Bethlehem Steel Co
Carrier Corp
Controlled Atmosphere Enclosures Mfg Co
Desomatic Products Div
Despatch Oven Co
Electric Hotpak Co
Gas Atmospheres
Industrial Process Engrs
Kahn & Co
Nooter Corp
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Selas Corp of America
W W Sly Mfg Co
Surface Combustion Div
Trane Co
Trinity Equipment Corp
Van Products Co

DRYERS, ATMOSPHERIC

First Machy Corp

Advance Industries
Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
Desomatic Products Div
Despatch Oven Co
Gas Atmospheres
General American Transportation Corp
Goslin-Birmingham Mfg Co
Nooter Corp
Edw Renneburg & Sons Co
F J Stokes Corp
Surface Combustion Div
Trinity Equipment Corp

DRYERS, CENTRIFUGAL

First Machy Corp
Heyl & Patterson, Inc

Baker Perkins
Bird Mach Co
Boardman Co
Bowen Engrg
De Laval Separator Co
Industrial Process Engrs
Nooter Corp
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div
Wemco Div, Western Machy Co

DRYERS, CLOSED CIRCUIT

Standard Steel Corp

Advance Industries
Bowen Engrg
Desomatic Products Div
Gas Atmospheres
General American Transportation Corp
Leader Iron Works
Edw Renneburg & Sons Co
Swenson Evaporator Co

DRYERS, CONICAL

Abbe Engrg Co

DRYERS, CONTINUOUS

First Machy Corp

Advance Industries
Allied Steel Products Corp
Baker Perkins
Buflovak Equipment Div
Combustion Engrg, Raymond Div
Denver Equipment Co
Despatch Oven Co
Dorr-Oliver Inc
Elmco Corp
Gas Atmospheres
General American Transportation Corp
Hardinge Co
Jeffrey Mfg Co
Leader Iron Works
Link-Belt Co
National Drying Machy Co
Nooter Corp
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co
Reitz Mfg Co
Selas Corp of America
Sharples Corp
Stearns-Roger Mfg Co
Surface Combustion Div
Swenson Evaporator Co
Wemco Div, Western Machy Co
Western Precipitation Div

DRYERS, CONVEYOR

First Machy Corp
Heyl & Patterson, Inc

Brooklyn Blower & Pipe
Buflovak Equipment Div
Chain Belt Co
Corona Mfg Corp
Despatch Oven Co
Electric Hotpak Co
General American Transportation Corp
Hardinge Co
Hewitt-Robins
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Link-Belt Co
Materials Handling Equipment Co
National Drying Machy Co
Posey Iron Works
Proctor & Schwartz
Reitz Mfg Co
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Western Precipitation Div

DRYERS, DIRECT

First Machy Corp

Combustion Engrg, Raymond Div
Dean Products Inc
Denver Equipment Co
Despatch Oven Co
General American Transportation Corp
Hardinge Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons
Proctor & Schwartz
W S Rockwell Co
Stearns-Roger Mfg Co
Swenson Evaporator Co

DRYERS, DRUM, ROTARY, VACUUM

Bennet Co
First Machy Corp
Standard Steel Corp

Allied Steel Products
Boardman Co
Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
J P Devine Mfg Co
Elmco Corp
Filtration Engrs Div
General American Transportation Corp
General Mach Co of N J
Goslin-Birmingham Mfg Co
Hardinge Co
Industrial Process Engrs
Komline-Sanderson Engrg
Leader Iron Works
Franklin P Miller & Son
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Edw Renneburg & Sons Co
A O Smith Corp
Stearns-Roger Mfg Co
F J Stokes Corp
Traylor Engrg & Mfg Co

DRYERS, ELECTRIC

Broslites Mach Co

Bellray Chem Co
Brooklyn Blower & Pipe
Controlled Atmosphere Enclosures Mfg Co
Corning Glass Works
Corona Mfg Corp
Despatch Oven Co
Electric Hotpack Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Proctor & Schwartz
Radcor, Inc
Edw Renneburg & Sons Co
W S Rockwell Co
Sel-Rex Corp
Edwin L Weigand Co

DRYERS, ELECTRIC VIBRATING

Heyl & Patterson, Inc

Despatch Oven Co
Jeffrey Mfg Co
Link-Belt Co
W S Rockwell Co
Syntron Co

DRYERS, FLUID BED

Heyl & Patterson, Inc

Combustion Engrg, Raymond Div
Dorr-Oliver Inc
General American Transportation Corp
Link-Belt Co

DRYERS, FREEZE

Allied Steel Products Corp
American Instrument Co
American Sterilizer Co
Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
Dean Products, Inc
J P Devine Mfg Co
General Mach Co of N J
F J Stokes Corp
Trane Co

DRYERS, GAS

Advance Industries
Bethlehem Steel Co
Brooklyn Blower & Pipe
Delta Tank Mfg Co
Denver Equipment Co
Desomatic Products Div
Despatch Oven Co
Gas Atmospheres
Jeffrey Mfg Co
Kahn & Co
C M Kemp Mfg Co
Kirk & Blum Mfg Co
National Drying Machy Co
N R C Equipment Corp
J F Pritchard & Co of Cal
Proctor & Schwartz
W S Rockwell Co
Selas Corp of America
Stearns-Roger Mfg Co
Surface Combustion Div
Swenson Evaporator Co
Trinity Equipment Corp

DRYERS, HORIZONTAL

First Machy Corp
Standard Steel Corp

Allied Steel Products Corp
Boardman Co
Buflovak Equipment Div
Despatch Oven Co
General American Transportation Corp
Hardinge Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
Surface Combustion Div

DRYERS, PILOT PLANT

Standard Steel Corp

Allied Steel Products Corp
Bowen Engrg
Buflovak Equipment Div
Denver Equipment Co
Despatch Oven Co
Dorr-Oliver Inc
General American Transportation Corp
General Mach Co of N J
Hardinge Co
Kirk & Blum Mfg Co
Leader Iron Works
Link-Belt Co
National Drying Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Proctor & Schwartz
Pyronics, Inc
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
F J Stokes Corp
Surface Combustion Div
Swenson Evaporator Co
Western Precipitation Div
Whiting Corp

DRYERS, REVOLVING STEAM TUBE & LIFTER TUBE

First Machy Corp
Standard Steel Corp

Allis-Chalmers Mfg Co
V D Anderson Co
Hardinge Co
Leader Iron Works
General American Transportation Corp
Nooter Corp
Edw Renneburg & Sons Co

DRYERS, ROTARY

Paul O Abbe Inc
Bonnet Co
First Machy Corp
Hetherington & Berner
Standard Steel Corp

Abbe Engrg Co
Allied Steel Products Corp
Allis-Chalmers Mfg Co
American Gas Furnace Co
Barber-Greene Co
Bethlehem Steel Co
Boardman Co
R D Cole Mfg Co
Colonial Iron Works Co
Davenport Mach & Foundry Co
Denver Equipment Co
Despatch Oven Co
Eimco Corp
General American Transportation Corp
General Mach Co of N J
Goslin-Birmingham Mfg Co
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Industrial Process Engrs
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Inc
Nooter Corp
Nordberg Mfg Co
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
A O Smith Corp
Stearns-Roger Mfg Co
F J Stokes Corp
Struthers Wells Corp
Traylor Engrg & Mfg Div

DRYERS, ROTARY KILN

Bonnet Co
First Machy Corp
Standard Steel Corp

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STANDARD designs all types of rotary dryers in both parallel and counter-flow:

DIRECT FIRED • INDIRECT HEATED • DOUBLE-DUTY (combination flash and rotary) • STEAM TUBE.

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Allied Steel Products Corp
Buflovak Equipment Div
Continental Atmosphere Enclosures Mfg Co
J P Devine Mfg Co
Industrial Engrs
Ernest Scott & Co
F J Stokes Corp

DRYERS, SPRAY & DISPERSION PROCESS

First Machy Corp

Allied Steel Products Corp
Bowen Engrg
Chempro Equipment Co
Despatch Oven Co
Flexaust Co
General Mach Co of N J
Industrial Process Engrs
Patterson-Kelley Co
Proctor & Schwartz
Edw Renneburg & Sons Co
Swenson Evaporator Co
Wurster & Sanger

DRYERS, STEAM-JACKETED

Paul O Abbe Inc
First Machy Corp
Standard Steel Corp

Allis-Chalmers Mfg Co
Bethlehem Foundry & Mach Co
Boardman Co
Buflovak Equipment Div
Chempro Equipment Co
General Mach Co of N J
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Ernest Scott & Co
A O Smith Corp
F J Stokes Corp
Swenson Evaporator Co
Western Precipitation Div

DRYERS, TEXTILE

Corona Mfg Corp
Despatch Oven Co
Kirk & Blum Mfg Co
National Drying Machy Co
Proctor & Schwartz
Selas Corp of America

DRYERS, TRAY

Brosites Mach Co
First Machy Corp

Allied Steel Products Corp
Buflovak Equipment Div
Dean Products, Inc
Despatch Oven Co
Kirk & Blum Mfg Co
Link-Belt Co
National Drying Machy Co
Proctor & Schwartz
W S Rockwell Co
Ernest Scott & Co

DRYERS, TUNNEL

First Machy Corp

Allied Steel Products Corp
Brooklyn Blower & Pipe
Corona Mfg Corp
Dean Products, Inc
Despatch Oven Co
Kirk & Blum Mfg Co
National Drying Machy Co
Nooter Corp
Posey Iron Works
Proctor & Schwartz
Radcor, Inc
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Edwin L Wiegand Co

DRYERS, VACUUM

Paul O Abbe Inc
First Machy Corp
Standard Steel Corp

Allied Steel Products Corp
Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
Dean Products, Inc
J P Devine Mfg Co
Downingtown Iron Works
General Mach Co of N J
Goslin-Birmingham Mfg
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelly Co
Ernest Scott & Co
A O Smith Corp
F J Stokes Corp

DRYERS, VACUUM PAN

Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Dean Products, Inc
Denver Equipment Co
J P Devine Mfg Co
Nooter Corp
Ernest Scott & Co
Stearns-Roger Mfg Co

DRYERS, VIBRATING CONVEYOR

Carrier Div
Chain Belt Co
Despatch Oven Co
Gas Machy Co
Jeffrey Mfg Co
Hewitt-Robins
Syntron Co

DRYING SYSTEMS, FLASH

First Machy Corp
Standard Steel Corp

Combustion Engrg, Raymond Div
Corning Glass Works
General American Transportation Corp
Leader Iron Works
Edw Renneburg & Sons Co
Swenson Evaporator Co

DUCTS

Du Verre, Inc
►JOHNS-MANVILLE

Allied Steel Products Corp
Anaconda Metal Hose Div
Automotive Rubber Co
Bethlehem Steel Co
Carl N Beetle Plastics Corp
Brooklyn Blower & Pipe Bros, Inc
Central Steel & Tank Co
Colonial Plastics Mfg Co
Connecticut Hard Rubber Co
Continental Boiler & Sheet Iron Works
Day Co
Erie City Iron Works
Evans Pipe Co
Flexible Tubing Co
General Metals Inc
Haveg Industries
Heil Process Equipment Corp
E Keeler Co
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Logan Clay Products Co
Luzerne Rubber Co
Manitowoc Shipbuilding, Inc
Nooter Corp
Edw Renneburg & Sons Co
Robinson Clay Product Co
Stearns-Roger Mfg Co
United States Rubber Co

DUMPERS, CAR

Heyl & Patterson, Inc

Link-Belt Co
Richardson Scale Co
Wyatt Metal & Boiler Works Div

DUMPERS, DRUM

Conveyors & Dumpers Div
General Mach Co of N J
Hodgson Engrg & Mfg Co
Little Giant Products
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp

DUMPERS, HYDRAULIC TRUCK

Link-Belt Co
Little Giant Products
Uhrden, Inc

DUST COLLECTORS

First Machy Corp
Fisher Scientific Co
►FULLER CO
Standard Steel Corp

Aerotec Industries
Allied Steel Products Corp
American Air Filter Co
Automotive Rubber Co
BIF Industries
Barber-Greene Co
Bethlehem Steel Co
Boardman Co
Brady Conveyors Corp
Brooklyn Blower & Pipe
Buell Engrg, Northern Blower Div
Buffalo Forge Co
Central Steel & Tank Co
Arthur Colton Co
Day Co
Dracco Div
Ducon Co
Dust Suppression & Engrg Co
Falstrom Co
Fly Ash Arrestor Corp
Graver Water Conditioning Co
S Howes Co
Johnson-March Corp
Joy Mfg Co
Kirk & Blum Mfg Co
Koppers Co, Metals Products Div
Leader Iron Works
Le Roi Div
Manitowoc Shipbuilding, Inc
National Cylinder Gas Div
Pangborn Corp
Pulverizing Machy Div
Edw Renneburg & Sons Co
Research-Cottrell
Claude B Schneible Co
Sprout, Waldron & Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Torit Mfg Co
United States Stoneware Co
Wallace & Tiernan Inc
Western Precipitation Div
Wheelabrator Corp
Whiting Corp
Young Machy Co

DUST COLLECTORS, CENTRIFUGAL

Standard Steel Corp

Aerotec Industries
Allied Steel Products Corp
American Air Filter Co
Brady Conveyors Corp
Buell Engrg, Northern Blower Div
Buffalo Forge Co
Day Co
Dracco Div
Ducon Co
Dust Suppression & Engrg
Fly Ash Arrestor Corp
Graver Water Conditioning Co
Kirk & Blum Mfg Co
Leader Iron Works
Majac, Inc
Pangborn Corp
Edw Renneburg & Sons Co
Research-Cottrell
Southwestern Engrg Co
Sprout, Waldron & Co
Torit Mfg Co
Western Precipitation Div

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DUST CONTROL SYSTEMS

►FULLER CO
Standard Steel Corp

Aerotec Industries
American Air Filter Co
Automotive Rubber Co
Brookfield Engrg Labs
Buell Engrg, Northern Blower Div
Central Steel & Tank Co
Day Co
Dracco Div
Ducon Co
Dust Suppression Engrg
Haveg Industries
Johnson-March Corp
Joy Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
National Cylinder Gas Div
Pangborn Corp
Pulverizing Machy Div
Edw Renneburg & Sons Co
Research-Cottrell
Claude B Schneible Co
Torit Mfg Co
Western Precipitation Div
Wheelabrator Corp
Young Machy Co

DYNAMOMETERS

Fisher Scientific Co

Clayton Mfg Co
General Elec Co, Apparatus Sales Div
Kahn & Co
Reliance Elec & Engrg Co

DYNAMOS

General Elec Co, Apparatus Sales Div
Allis-Chalmers Mfg Co

E

ECONOMIZERS, FUEL & STEAM

Bros, Inc
Buxton Mfg Co
Combustion Engrg
Condenser Service & Engrg Co
Erie City Iron Works
Foster Wheeler Corp
E Keeler Co
National Cylinder Gas Div
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Riley Stoker Corp

ECONOMIZERS, WASTE HEAT

R P Adams Co
Bros, Inc
Buxton Mfg Co
Combustion Engrg
Condenser Service & Engrg Co
Engineering Controls
Foster Wheeler Corp
Heatron, Inc
Metal Textile Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
C H Wheeler Mfg Co

EDUCTORS, WATER JET

Croll-Reynolds Co

American Water Softener Co
Artisan Metal Products
Elliott Co
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Schutte & Koerting Co
Arthur F Smith, Inc

EJECTORS, AIR JET

Croll-Reynolds Co

Artisan Metal Products
Carbone Corp
Condenser Service & Engrg Co
Eclipse Fuel Engrg Co, Combustion Div
Joy Mfg Co
Graham Mfg Co, Heliflow Corp
Heil Process Equipment Corp
North American Mfg Co
Schuttee & Koerting Co
Arthur F Smith, Inc

EJECTORS, STEAM JET

Croll-Reynolds Co

Allis-Chalmers Mfg Co
Artisan Metal Products
Carbone Corp
Duriron Co
Elliott Co
Falls Industries
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Haveg Industries
Heil Process Equipment Corp
Ingersoll-Rand Co
National Carbon Co
National Conveyors Co
Schutte & Koerting Co
Arthur F Smith, Inc
Southwestern Engrg Co
C H Wheeler Mfg Co

EJECTORS, WATER JET

Croll-Reynolds Co

Artisan Metal Products
Belt Corp
Carbone Corp
Duriron Co
Elliott Co
Graham Mfg Co, Heliflow Corp
Ingersoll-Rand Co
Schutte & Koerting Co
Arthur F Smith, Inc

ELBOWS, REDUCING

Allied Steel Products Corp
Ampco Metal
Chase Brass & Copper Co
Electric Steel Foundry Co
General Metals, Inc
Parker Fittings & Hose Div
Lincoln Elec Co
H K Porter Co, Forge & Fittings Div
Stainless Products
Tube Turns Div
Walworth Co

ELECTRODES, ARC WELDING

American Brass Co
Ampco Metal
Arcos Corp
Crucible Steel Co of America
International Nickel Co
National Carbon Co
National Cylinder Gas Div
A O Smith Corp
Wall Colmonoy Corp

ELECTRODES, GRAPHITE

International Graphite & Electrode Div
National Carbon Co

ELECTRODES, METAL CUTTING

Arcos Corp

ELECTRODES, TUNGSTEN

Esco Corp
Fansteel Metallurgial Corp
Linde Co
Shori Process Corp

ELECTROMANOMETERS

Consolidated Electrodynamics

ELECTRONIC DEVICES

►DRESSER ELECTRONICS

Carrier Corp
Consolidated Electrodynamics
Cutler-Hammer Inc
Electric Autolite Co
General Elec Co, Apparatus Sales Div
General Elec Co, X-Ray Dept
General Radio Co
Gulton Industries
Jordan Controls
Komline-Sanderson Engrg Corp
Liquidometer Corp
Philips Electronic Instruments
Simpson Elec Co
Superior Elec Co
Syntron Co
Victory Engrg Corp
Williamson Development Co

ELEVATORS, BAG & BARREL

Barret-Cravens Co
E W Buschman Co
Chain Belt Co
Flexoveyor Mfg Co
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co
Uhrden, Inc
West Bend Equipment

ELEVATORS, BUCKET

First Machy Corp
Union Bag-Camp Paper Corp

Barber-Greene Co
Baughman Mfg Co
Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Chain Belt Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Denver Equipment Co
Gifford-Wood Co
Great Western Mfg Co
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hapman Corp
Hayes & Stolz Industrial Co
Hewitt-Robins
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Inc
Manufacturers Equipment Co
Franklin P Miller & Son
Munson Mill Machy Co
Rapids Machy Co
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Universal Road Machy Co
Walker Process Equipment
Young Machy Co

ELEVATORS, CONTINUOUS FLOW

Union Bag-Camp Paper Corp

Baughman Mfg Co
Beaumont Birch Co
Day Co
Gifford-Wood Co
Hapman Corp
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Inc
Manufacturers Equipment Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co
Syntron Co

ELEVATORS, PORTABLE

First Machy Corp

American Pulley Co
Barrett-Cravens Co
Baughman Mfg Co
Boardman Co
E W Buschman Co
Delta Tank Mfg Co
Flexoveyor Mfg Co
Hapman Corp
S Howes Co
Manufacturers Equipment Co
Edw Renneburg & Sons Co
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp

ELEVATORS, SCREW

J H Day Co Div

Baughman Mfg Co
Boardman Co
Delta Tank Mfg Co
Great Western Mfg Co
Hayes & Stolz Industrial Co
S Howes Co
Link-Belt Co
Manufacturers Equipment Co
Franklin P Miller & Son
Read Standard Div
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Young Machy Co

ELEVATORS, TRAY

E W Buschman Co
Chain Belt Co
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Logan Co
West Bend Equipment Corp

EMULSIFYING MACHINERY

Barrington Industries, Inc

Abbe Engrg Co
S Blickman, Inc
Chemicolloid Labs Inc
Gifford-Wood Co
Lancaster Chem Corp
Milton Roy Co
Charles Ross & Son Co
Tri-Homo Corp

ENCLOSURES, INSTRUMENT

Hoffman Engrg Corp
Kirk & Blum Mfg Co
Leeds & Northrup Co

ENGINES, COMPRESSOR

Allis-Chalmers Mfg Co, Engine Material Handling Div
Caterpillar Tractor Co
Cooper-Bessemer Corp
Nordberg Mfg Co
Onan Div
Republic Flow Meters Co
Research-Cottrell
Simpson Elec, Champion Pneumatic Machy Co

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ENGINES, GAS

Allis-Chalmers Mfg Co, Caterpillar Tractor Co, Chicago Pneumatic Tool, Clark Bros Co, Cooper-Bessemer Corp, Fairbanks, Morse & Co, Ingersoll-Rand Co, Nordberg Mfg Co, Onan Div

ENGINES, STEAM

Allis-Chalmers Mfg Co, Engine Material Handling Div, Erie City Iron Works, Ernest Scott & Co

EVAPORATORS-STRIPPERS

Allied Steel Products Corp, Artisan Metal Products, Automotive Rubber Co, Bethlehem Steel Co, Buflovak Equipment Div, General American Transportation Corp, Graver Tank & Mfg Co, Industrial Process Engrs, Leader Iron Works, Nooter Corp, Pfaudler Co Div, Rodney Hunt Mach Co, A O Smith Corp, Arthur F Smith, Inc, Stearns-Roger Mfg Co, Vulcan Mfg

EVAPORATORS, BASKET TYPE

First Machy Corp

S Blickman, Inc, Nooter Corp, Joseph Oat & Sons, Swenson Exaporator Co, Vulcan Mfg

EVAPORATORS, CRYSTALLIZING

First Machy Corp
Standard Steel Corp
►HENRY VOGT MACH CO

Allied Steel Products Corp, R M Armstrong Co, Buflovak Equipment Div, Chicago Bridge & Iron Co, Colonial Iron Works Co, General American Transportation Corp, Goslin-Birmingham Mfg, Industrial Process Engrs, Leader Iron Works, Nooter Corp, Pfaudler Co Div, Patterson Foundry & Mach Co, Edw Renneburg & Sons Co, Arthur F Smith, Inc, Star Tank & Filter Corp, Stearns-Roger Mfg Co, Struthers Wells Corp, Submerged Combustion, Swenson Evaporator Co, Vulcan Mfg, Wurster & Sanger

EVAPORATORS, ELECTRICALLY HEATED

Allied Steel Products Corp, Badger Mfg, Industrial Process Engrs, Nooter Corp, W S Rockwell Co, Arthur F Smith, Inc, F J Stokes Corp, Wallace & Tiernan Inc

EVAPORATORS, FILM TYPE

First Machy Corp

Allied Steel Products Corp, R M Armstrong Co, Artisan Metal Products, Buflovak Equipment Div, Chicago Bridge & Iron Co, F J Cooke Inc, Dean Products, Inc, General American Transportation Corp, Goslin-Birmingham Mfg, National Carbon Co, Nooter Corp, Pfaudler Co Div, Rodney Hunt Mach Co, Arthur F Smith, Inc, Stearns-Roger Mfg Co, Swenson Evaporator Co, Vulcan Mfg, Wurster & Sanger

EVAPORATORS, FORCED CIRCULATION

First Machy Corp
►HENRY VOGT MACH CO

Allied Steel Products Corp, R M Armstrong Co, Artisan Metal Products, Badger Mfg Co, Bethlehem Steel Co, Buflovak Equipment Div, Buxton Mfg Co, Carbone Corp, Chicago Bridge & Iron Co, General American Transportation Corp, Goslin-Birmingham Mfg Co, Industrial Process Engrs, National Carbon Co, Nooter Corp, Joseph Oat & Sons, Old Dominion Iron & Steel Corp, W S Rockwell Co, Ernest Scott & Co, Stearns-Roger Mfg Co, Swenson Evaporator Co, Tranter Mfg, Inc, Vulcan Mfg, York Corp

EVAPORATORS, LOW TEMPERATURE

Allied Steel Products Corp, R M Armstrong Co, Artisan Metal Products, Badger Mfg Co, Boardman Co, Buflovak Equipment Div, Buxton Mfg Co, Carbone Corp, Condenser Service & Engrg Co, Controlled Atmosphere Enclosures Mfg Co, Dean Products, Inc, Delta Tank Mfg Co, Griscom-Russell Co, Industrial Process Engrs, Nooter Corp, Ernest Scott & Co, Arthur F Smith, Inc, Swenson Evaporator Co, Trane Co, Tranter Mfg, Inc, Vilter Mfg Co, Vulcan Mfg, York Corp

EVAPORATORS, SUBMERGED COMBUSTION

Buflovak Equipment Div, Condenser Service & Engrg Co, General American Transportation Corp, Kennedy Tank & Mfg Co, National Carbon Co, Nooter Corp, Pyronics, Inc, Submerged Combustion, Swenson Evaporator Co, Thermal Research & Engrg Corp

EVAPORATORS, THERMOCOMPRESSION

Badger Mfg Co, Buflovak Equipment Div, Goslin-Birmingham Mfg Co, General American Transportation Corp, Nooter Corp, Arthur F Smith, Inc, Swenson Evaporator Co, Vulcan Mfg

EVAPORATORS, VACUUM

First Machy Corp

Allied Steel Products Corp, R M Armstrong Co, Artisan Metal Products, Badger Mfg Co, Buflovak Equipment Div, Chicago Bridge & Iron Co, Condenser Service & Engrg Co, F J Cooke Inc, Delta Tank Mfg Co, J P Devine Mfg Co, Downingtown Iron Works, General American Transportation Corp, Goslin-Birmingham Mfg, Industrial Process Engrs, Nooter Corp, Joseph Oat & Sons, Pfaudler Co Div, Precision Distillation Apparatus Co, Rodney Hunt Mach Co, Ernest Scott & Co, Arthur F Smith, Inc, Stearns-Roger Mfg Co, Swenson Evaporator Co, Vulcan Mfg, Wurster & Sanger

EXCITATION UNITS

Applied Research Labs

EXHAUSTERS

Croll-Reynolds Co
Du Verre, Inc
First Machy Corp

American Air Filter Co, Buell Engrg, Northern Blower Div, Buffalo Forge Co, Clarage Fan Co, Coppus Engrg Corp, Day Co, Despatch Oven Co, General American Transportation Corp, Heil Process Equipment, Lehigh Fan & Blower Div, Edw Renneburg & Sons Co, Roots-Connersville Blower, Schutte & Koerting Co, Torit Mfg Co

EXPANDERS, TUBE

Airetool Mfg Co, Carrier Corp, Chase Brass & Copper Co, Elliott Co, Vernon Tool Co, Gustav Wiedeke Co, Thomas C Wilson

EXTRACTORS, LIQUID

Allied Steel Products Corp, Artisan Metal Products, Boardman Co, Buflovak Equipment Div, Corning Glass Works, Delta Tank Mfg Co, De Laval Separator Co, General American Transportation Corp, Gifford-Wood Co, Gray Co, Pfaudler Co Div, Podbielniak, Inc, Sharples Corp, T Shriver & Co, Swenson Evaporator Co, Terriss-Consolidated Industries, Tolhurst Centrifugals Div, Vulcan Mfg

EXTRACTORS, SOLVENT

Allied Steel Products Corp, V D Anderson Co, Artisan Metal Products, Buflovak Equipment Div, Matt Corcoran Co, De Laval Separator Co, Denver Equipment Co, General American Transportation Corp, Gifford-Wood Co, Grace Co, Industrial Process Engrs, Pfaudler Co Div, Precision Distillation Apparatus Co, Podbielniak, Inc, Ernest Scott & Co, Sharples Corp, Terriss-Consolidated Industries, Tolhurst Centrifugals Div, Trane Co, Vulcan Mfg, Wurster & Sanger

EXTRACTORS, VACUUM

Allied Steel Products Corp, Artisan Metal Products, Buflovak Equipment Div, J P Devine Mfg Co, Downingtown Iron Works, Precision Distillation Apparatus Co, Arthur F Smith, Inc

EXTRUDING MACHINES

Bonnet Co

National Drying Machy Co, F J Stokes Corp

F

FANS, CENTRIFUGAL

Du Verre, Inc
Niagara Blower Co

Aerotec Industries, American Air Filter Co, Boardman Co, Buell Engrg, Northern Blower Div, Buffalo Forge Co, Clarage Fan Co, Coppus Engrg Corp, Day Co, DeBothezat Fans Div, Despatch Oven Co, Duriron Co, Fly Ash Arrestor Corp, General Blower Co, Haveg Industries, Heil Process Equipment Corp, Joy Mfg Co, Lehigh Fan & Blower Div, Prater Pulverizer Co, Edw Renneburg & Sons Co, Robbins & Myers, Propellair Fan Div, Rotron Mfg Co, Sprout, Waldron & Co, Trane Co, Young Machy Co

FANS, COOLING

American Air Filter Co, Buffalo Forge Co, Clarage Fan Co, Coppus Engrg Corp, DeBothezat Fans Div, Despatch Oven Co, General Blowers Co, Hartzell Propeller Fan Co, Haveg Industries, Heil Process Equipment Corp, Koppers Co, Metal Products Div, Joy Mfg Co, Lehigh Fan & Blower Div, Manufacturers Equipment Co, Robbins & Myers, Propellair Fan Div, Rotron Mfg Co, Trane Co

FANS, EXHAUST

Du Verre, Inc

American Air Filter Co, Carl N Beetle Plastics Corp, Buell Engrg, Northern Blower Div, Buffalo Forge Co, Clarage Fan Co, Coppus Engrg Corp, DeBothezat Fans Div, Despatch Oven Co, Duriron Co, General Blower Co, Hartzell Propeller Fan Co, Heil Process Equipment Corp, Haveg Industries, Joy Mfg Co, Lehigh Fan & Blower Div, Manufacturers Equipment Co, Patterson Foundry & Mach Co, Prater Pulverizer Co, Edw Renneburg & Sons Co, Robbins & Myers, Propellair Fan Div, Rotron Mfg Co, Trane Co, L J Wing Mfg Co

FANS, FUME REMOVAL

Du Verre, Inc

American Air Filter Co, American La France Div, Automotive Rubber Co, Buffalo Forge Co, Carl N Beetle Plastics Corp, Clarage Fan Co, Coppus Engrg Corp, DeBothezat Fans Div, Despatch Oven Co, Duriron Co, General Blower Co, Hartzell Propeller Fan Co, Haveg Industries, Heil Process Equipment Corp, Joy Mfg Co, Knapp Mills Inc, Patterson Foundry & Mach Co, Edw Renneburg & Sons, Robbins & Myers, Propellair Fan Div, Rotron Mfg Co, Trane Co, L J Wing Mfg Co

FANS, PORTABLE

Buffalo Forge Co, Coppus Engrg Corp, DeBothezat Fans Div, Joy Mfg Co, Hartzell Propeller Fan Co, M-D Blowers, Inc, Manufacturers Equipment Co, Robbins & Myers, Propellair Fan Div

FANS, VANEAXIAL

Du Verre, Inc

Buffalo Forge Co, Carl N Beetle Plastics Corp, Coppus Engrg Corp, DeBothezat Fans Div, Hartzell Propeller Fan Co, Haveg Industries, Heil Process Equipment, Joy Mfg Co, Manufacturers Equipment Co, Robbins & Myers, Propellair Fan Div, Rotron Mfg Co, Trane Co, L J Wing Mfg Co

FANS, VENTILATING

Philip Carey Mfg Co

American Air Filter Co
Carl N Beetle Plastics Corp
Buffalo Forge Co
Clarage Fan Co
Coppus Engrg Corp
DeBothezat Fans Div
General Blower Co
Hartzell Propeller Fan Co
Haveg Industries
Heil Process Equipment
Jeffrey Mfg Co
Joy Mfg Co
Manufacturers Equipment Co
Patterson Foundry & Mach Co
Robbins & Myers, Propellair Fan Div
Rotron Mfg Co
Trane Co
L J Wing Mfg Co

FASTENINGS, METAL

Allmetal Screw Products Co
Bethlehem Steel Co
Chase Brass & Copper Co

FEEDERS, AUTOMATIC APRON

Brady Conveyors Corp
Gruendler Crusher & Pulverizer Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Materials Handling Equipment Co
National Drying Machy Co
Stephens-Adamson Mfg Co
Traylor Engrg & Mfg Div
Universal Road Machy Co

FEEDERS, GRAVIMETRIC

BIF Industries
Carrier Div
Infilco Inc
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Merrick Scale Mfg Co
Syntron Co
Thayer Scale Corp
Wallace & Tiernan Inc
Weighing & Control Components

FEEDERS, CONSTANT WEIGHT

BIF Industries
Carrier Div
B F Gump Co
Hardinge Co
Infilco Inc
Jeffrey Mfg Co
Leeds & Northrup Co
Link-Belt Co
Merrick Scale Mfg Co
Permutit Co
Richardson Scale Co
Syntron Co
Wallace & Tiernan Inc
Weighing & Controls Inc

FEEDERS, CONTINUOUS FLOW

Bonnot Co
►FULLER CO
Pulva Corp

Barber-Greene Co
BIF Industries
Beaumont Birch Co
Carrier Div
Culligan, Inc
Day Co
Denver Equipment Co
rischer & Porter Co
B F Gump Co
Hardinge Co
Infilco Inc
Jeffrey Mfg Co
Leeds & Northrup Co
Link-Belt Co
Merrick Scale Mfg Co
Materials Handling Equipment Co
Franklin P Miller & Son
Milton Roy Co
National Drying Machy Co
Permutit Co
Pulverizing Machy Div
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Syntron Co
Wallace & Tiernan Inc
Weighing & Controls Inc
Young Machy Co

FEEDERS, DRY

Bonnot Co
►FULLER CO
Pulva Corp

Allen-Sherman-Hoff Co
BIF Industries
Barber-Greene Co
Carrier Div
Chain Belt Co
Clarkson Co
Day Co
Denver Equipment Co
Fischer & Porter Co
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
Infilco, Inc
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment
G Diehl Mateer Co
Merrick Scale Mfg Co
Franklin P Miller & Son
National Drying Machy Co
Permutit Co
Prater Pulverizer Co
Pulverizing Machy Div
Stephens-Adamson Mfg Co
Syntron Co
Universal Road Machy Co
Wallace & Tiernan Inc

FEEDERS, FLUSH

BIF Industries
Carrier Div

FEEDERS, LIQUID

American Meter Co, Pump Div
American Water Softener Co
Associated Valve Co
BIF Industries
Clarkson Co
Culligan, Inc
Denver Equipment Co
Fischer & Porter Co
Galigher Co
Infilco, Inc
G Diehl Mateer Co
Milton Roy Co
Permutit Co
T Shriver & Co
Wallace & Tiernan Inc

FEEDERS, ORE

Bonnot Co
Pulva Corp

Barber-Greene Co
BIF Industries
Carrier Div
Chain Belt Co
Denver Equipment Co
Galigher Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Merrick Scale Mfg Co
Stephens-Adamson Mfg Co
Syntron Co
Traylor Engrg & Mfg Div
Wallace & Tiernan Inc

FEEDERS, PLUNGER

American Meter Co, Pump Div
Denver Equipment Co
Link-Belt Co
Manzel Unit

FEEDERS, PROPORTIONING

Bonnot Co
►FULLER CO

American Meter Co, Pump Div
American Water Softener Co
BIF Industries
Carrier Div
Clarkson Co
Cochrane Div
Culligan, Inc
Eimco Corp
Fischer & Porter Co
Granberg Corp
B F Gump Co
S Howes Co
Infilco Inc
Jeffrey Mfg Co
Komline-Sanderson Engrg Corp
Link-Belt Co
Manzell Unit
G Diehl Mateer Co
Merrick Scale Mfg Co
Milton Roy Co
Permutit Co
Richardson Scale Co
T Shriver & Co
Wallace & Tiernan Inc
Weighing & Controls Inc

FEEDERS, RIBBON

Gruendler Crusher & Pulverizer Co
S Howes Co
Materials Handling Equipment Co
Jeffrey Mfg Co
Link-Belt Co
Franklin P Miller & Son
Sprout, Waldron & Co

FEEDERS, ROTARY

Bonnot Co
►FULLER CO
Pulva Corp

Allen-Sherman-Hoff Co
BIF Industries
Beaumont Birch Co
Boardman Co
Brady Conveyors Corp
Chain Belt Co
Davis Foundry & Mach Works
Day Co
Denver Equipment Co
Dracco Div
Gruendler Crusher & Pulverizer Co
Hardinge Co
S Howes Co
Link-Belt Co
MRM Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Myers Sherman Co
Franklin P Miller & Son
National Conveyors Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Young Machy Co

FEEDERS, SCREW

Bonnot Co
J H Day Co Div

Allis-Chalmers Mfg Co
V D Anderson Co
BIF Industries
Baughman Mfg Co
Brady Conveyors Corp
Arthur Colton Co
Day Co
Great Western Mfg Co
B F Gump Co
Hayes & Stoltz Industrial Co
S Howes Co
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Materials Handling Equipment Co
Franklin P Miller & Son
Myers Sherman Co
National Conveyors Co
National Drying Machy Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Richardson Scale Co
Sprout, Waldron & Co
Wallace & Tiernan Inc
Young Machy Co

FEEDERS, TABLE

Pulva Corp

Allis-Chalmers Mfg Co
BIF Industries
Chain Belt Co
Denver Equipment Co
Hardinge Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
MRM Co
Manufacturers Equipment Co
Pulverizing Machy Div
F L Smidth & Co
Traylor Engrg & Mfg Div

FEEDERS, VIBRATING

Ajax Flexible Coupling Co
Allis-Chalmers Mfg Co
Barber-Greene Co
Carrier Div
Chain Belt Co
Cleveland Vibrator Co
COMCO Corp
Dravo Corp
Eriez Mfg Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Manufacturers Equipment Co
Simplicity Engrg Co
Southwestern Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

FEEDERS, VOLUMETRIC

Pulva Corp

BIF Industries
Carrier Div
Chain Belt Co
Fischer & Porter Co
B F Gump Co
Hardinge Co
Infilco Inc
Jeffrey Mfg Co
Link-Belt Co
G Diehl Mateer Co
Permutit Co
Richardson Scale Co
T Shriver & Co
Sprout, Waldron & Co
Syntron Co
Wallace & Tiernan Inc

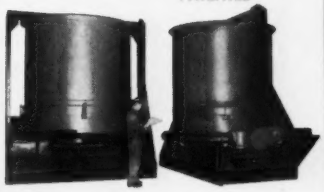
FERMENTING EQUIPMENT, INDUSTRIAL

Allied Steel Products Corp
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Mixing Equipment Co
Nooter Corp
Pfaudler Co Div
Stainless & Steel Products Co
Star Tank & Filter Corp
Trinity Steel Co
Vulcan Mfg

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Star Tank & Filter Corp
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FILLING MACHINES, AMPOULE

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MRM Co

FILLING MACHINES, BOTTLE

F L Burt Co
Arthur Colton Co
FMC Packaging Machy Div
Ertel Engrg Corp
B F Gump Co
C W Logeman Co
MRM Co
G Diehl Mateer Co
Ogden Filter Co

FILLING MACHINES, CAPSULE

Arthur Colton Co

FILLING MACHINES, LIQUID

Anderson Bros Mfg Co
Brookfield Engrg Labs
F L Burt Co
Arthur Colton Co
Ertel Engrg Corp
FMC Packaging Machy Div
Gray Co
C W Logeman Co
MRM Co
G Diehl Mateer Co
Mojonnier Bros Co
Ogden Filter Co
Pfaudler Co Div

FILLING MACHINES, PASTE

Anderson Bros Mfg Co
F L Burt Co
Arthur Colton Co
Gray Co
FMC Packaging Machy Div
MRM Co
G Diehl Mateer Co

FILLING MACHINES, POWDER

FMC Packaging Machy Div
S Howes Co
B F Gump Co
C W Logeman Co
G Diehl Mateer Co

FILTER AIDS

H Reeve Angel & Co
Barnebey-Cheney Co
Brosites Products Corp
Fisher Scientific Co
Great Lakes Carbon Corp, Dicalite Dept
►JOHNS-MANVILLE

American Air Filter Co
Cellulo Co
Eagle-Picher Co
Hilliard Corp
Industrial Filter & Pump Mfg Co
Sel-Rex Corp

FILTER BAGS, ACID-PROOF

National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Buell Engrg, Northern Blower Div
Denver Equipment Co
Dracco Div
Eimco Corp
Filtration Fabrics Div
Independent Filter Press Co
Industrial Filter & Pump Mfg Co
Lamports Co
Niagara Filters Div

FILTER BAGS, ALKALI-PROOF

National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Buell Engrg, Northern Blower Div
Denver Equipment Co
Dracco Div
Eimco Corp
Filtration Fabrics Div
Independent Filter Press
Industrial Filter & Pump Mfg Co
Lamports Co
Niagara Filters Div

FILTER BAGS, GLASS

National Filter Media Corp

American Air Filter Co
Buell Engrg, Northern Blower Div
Dracco Div
Filtration Fabrics Div
Industrial Filter & Pump Mfg Co
Lamports Co
Niagara Filters Div
Western Precipitation Div

FILTER BAGS, NATURAL FIBER

National Filter Media Corp
Neirad Industries

American Felt Co
Buell Engrg, Northern Blower Div
Day Co
Dracco Div
Ducon Co
Eimco Corp
Filtration Fabrics Div
Independent Filter Press Co
Lamports Co
Niagara Filters Div
Torit Mfg Co
Western Precipitation Div

FILTER BAGS, SYNTHETIC FIBER

National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Buell Engrg, Northern Blower Div
Day Co
Dracco Div
Ducon Co
Eimco Corp
Filtration Fabrics Div
Independent Filter Press
Lamports Co
Niagara Filters Div
Torit Mfg Co
Western Precipitation Div

FILTER CLOTH, ACID-PROOF

Brosites Products Corp
National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Dynamic Filters Inc
Filtration Fabrics Div
Independent Filter Press Co
Komline-Sanderson Engrg Corp
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
National Carbon Co
Newark Wire Cloth Co
T Shriver & Co
D R Sperry & Co
W S Tyler Co
United States Rubber Co
Unique Wire Weaving Co
Wellington Sears Co

FILTER CLOTH, ALKALI-PROOF

Brosites Products Corp
National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Dynamic Filters Inc
Filtration Fabrics Div
Independent Filter Press Co
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
National Carbon Co
Newark Wire Cloth Co
T Shriver & Co
D R Sperry & Co
W S Tyler Co
United States Rubber Co
Unique Wire Weaving Co
Wellington Sears Co

FILTER CLOTH, COTTON

National Filter Media Corp

Filtration Fabrics Div
Jacoby-Tarbox Corp
T Shriver & Co
D R Sperry & Co
Standard Wiping Materials
Wellington Sears Co

FILTER CLOTH, METALLIC

Brosites Products Corp

Chase Brass & Copper Co
Dynamic Filters Inc
Filtration Fabrics Div
Hercules Filter Corp
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
Newark Wire Cloth Co
T Shriver & Co
D R Sperry & Co
W S Tyler Co
Unique Wire Weaving Co

FILTER CLOTH, RUBBER

National Filter Media Corp

Filtration Fabrics Div
Hercules Filter Corp
T Shriver & Co

See company directory for addresses
►See catalog advertisement (Advertisers Index)

FILTER CLOTH, SYNTHETIC FIBER

Brosites Products Corp
National Filter Media Corp
Neirad Industries
Schwarzenbach Huber Co

American Felt Co
Filtration Fabrics Div
Hercules Filter Corp
Jacoby-Tarbox Corp
T Shriver & Co
D R Sperry & Co
United States Rubber Co
Wellington Sears Co

FILTER CLOTH, WOVEN GLASS

Brosites Products Corp
National Filter Media Corp
Neirad Industries

American Air Filter Co
Filtration Fabrics Div
Western Precipitation Div

FILTER CORD

National Filter Media Corp

Filtration Fabrics Div
Gilman Paper Co

FILTER LEAVES

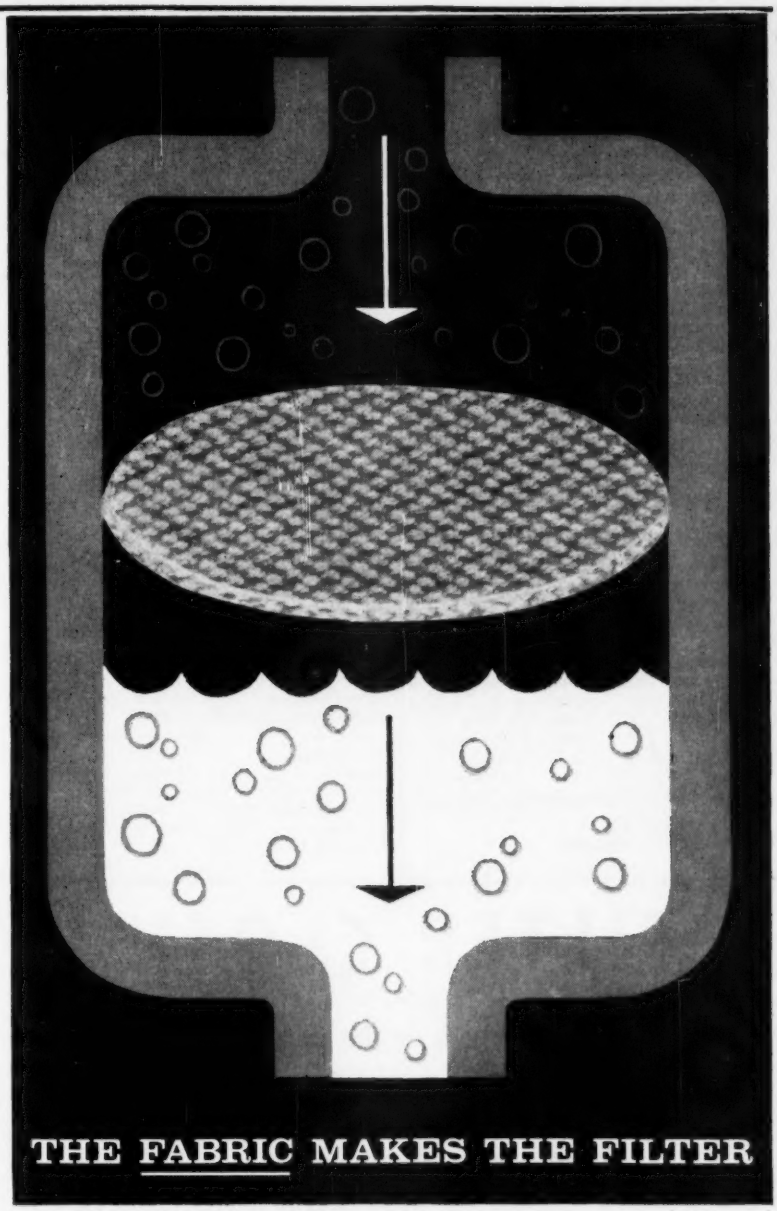
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American Felt Co
Cambridge Wire Cloth
Duriron Co
Hercules Filter Corp
Independent Filter Press Co
Industrial Filter & Pump Mfg Co
Lamports Co
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
Niagara Filters Div
T Shriver & Co
W S Tyler Co

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- PLATE & FRAME FILTER PRESSES

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Textile Division
US United States Rubber

FILTER MEDIA

Barnebey-Cheney Co
Brositos Products Corp
Great Lakes Carbon Corp, Dicalite Dept
►JOHNS-MANVILLE
L-A Water Conditioning Inc
National Filter Media Corp
Schwarzenbach Huber Co

Alsop Engrg Corp
American Air Filter Co
American Felt Co
Cambridge Filter Corp
Cellulo Co
Chem Flow Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Eimco Corp
Ertel Engrg Corp
Filtration Fabrics Div
Filtros, Inc
Hercules Filter Corp
Industrial Filter & Pump Mfg Co
Jacoby-Tarbox Corp
Komline-Sanderson Engrg Corp
Knowlton Bros
Lamports Co
Michigan Wire Cloth Co
Mine Safety Appliances
Multi-Metal Wire Cloth Co
Norton Co
Ogden Filter Co
Pall Corp
Permutit Co
Selas Corp of America
T Shriver & Co
D R Sperry & Co
Unique Wire Weaving Co
United States Rubber Co
Wellington Sears Co

FILTER PAPER, NATURAL FIBERS

H Reeve Angel & Co
Brositos Products Corp
National Filter Media Corp

Alsop Engrg Corp
Bio-Rad Labs
Eaton-Dikeman Co
Ertel Engrg Corp
Filtration Fabrics Div
Hercules Filter Corp
Hilliard Corp
Jacoby-Tarbox Corp
Independent Filter Press Co
Knowlton Bros
Mine Safety Appliances
Ogden Filter Co
St Regis Paper Co
T Shriver & Co
D R Sperry & Co

FILTER PAPER, SYNTHETIC FIBERS

H Reeve Angel & Co
National Filter Media Corp

Eaton-Dikeman Co
Filtration Fabrics Div
Knowlton Bros
Michigan Wire Cloth Co
T Shriver & Co
D R Sperry & Co

FILTER PLATES

Brositos Products Corp

Alten Foundry & Mach Works
American Felt Co
American Optical Co
Arrow Tank Co
Carl N Beetle Plastics
Duriron Co
Ertel Engrg Corp
Eimco Corp
Electro Refractories & Abrasives Corp
Filtros, Inc
Hauser-Stander Tank Co
Hercules Filter Corp
Independent Filter Press
Michigan Wire Cloth Co
Multi-Metal Wire Cloth Co
Niagara Filters Div
Norton Co
Ogden Filter Co
Ernest Scott & Co
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries
Wyatt Metal & Boiler Works Div

FILTER PRESSES, HYDRAULIC

Cellulo Co
Leader Iron Works
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries

FILTER PRESSES, LABORATORY

Brositos Products Corp
Fisher Scientific Co

Alsop Engrg Corp
Baroid Div, National Lead Co
Bird Mach Co
Cellulo Co
Eimco Corp
Ertel Engrg Corp
Hercules Filter Corp
Independent Filter Press
Industrial Filter & Pump Mfg Co
Paterson Foundry & Mach Co
T Shriver & Co
D R Sperry Co
Terriss-Consolidated Industries

FILTER PRESSES, PLATE & FRAME

Brositos Products Corp
Hercules Filter Corp
►HENRY VOGT MACH CO

Arrow Tank Co
Cellulo Co
Eimco Corp
Ertel Engrg Corp
Independent Filter Press Co
Ogden Filter Co
Patterson Foundry & Mach Co
Ernest Scott & Co
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Terriss Consolidated Industries
Wurster & Sanger
Wyatt Metal & Boiler Works Div

FILTERS, ACID-RESISTING

H Reeve Angel & Co
Brositos Products Corp

R P Adams Co
Allied Steel Products Corp
Alsop Engrg Corp
American Air Filter Co
American Water Softener Co
BIF Industries
Chem Flow Corp
Corning Glass Works
Croll Reynolds Engrg Co
Cuno Engrg Co
Dorr-Oliver Inc
Duriron Co
Dynamic Filters Inc
Eimco Corp
Ertel Engrg Corp
Filtration Engrg Div
Filtros, Inc
Goslin-Birmingham Mfg Co
Hercules Filter Corp
Independent Filter Press Co
Industrial Filter & Pump Mfg Co
Infilco Inc
Jacoby Tarbox Corp
Knapp Mills Inc
Komline-Sanderson Engrg Corp
National Carbon Co
Niagara Filters Div
Ogden Filter Co
Ronningen-Petter Co
Selas Corp of America
Sharples Corp
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries

FILTERS, AIR

Barnebey-Cheney Co
►FULLER CO

R P Adams Co
Airetool Mfg Co
Airmatic Valve
Allied Witan Co
American Air Filter Co
Bailey Meter Co
Barnstead Still & Sterilizer Co
Black, Sivalls & Bryson
Cambridge Filter Corp
Commercial Filters Corp
Conoflow Corp
Controlled Atmosphere Enclosures Mfg Co
Coppus Engrg Corp
Cuno Engrg Corp
Desomatic Products Div
Dynamic Filters Inc
Filtros, Inc
Hannifin Co
Hilliard Corp
Johnson Corp
Johnson Service Co
Kahn & Co
Kaye & MacDonald
Kidde Aero-Space Div
King Engrg Corp
Lincoln Engrg Co
Metal Textile Corp
Mine Safety Appliances
Pall Corp
Pulverizing Machy Div
Research-Cottrell
Selas Corp of America
Trinity Equipment Corp
Western Precipitation Div
Wheelabrator Corp
Young Machy Co

FILTERS, AIR, AUTOMATIC SELF-CLEANING

►FULLER CO

Airmatic Valve
American Air Filter Co
Hannifin Co
Pulverizing Machy Div
Trinity Equipment Corp
Western Precipitation Div
Wheelabrator Corp
Young Machy Co

FILTERS, AIR, DRY

►FULLER CO

R P Adams Co
Allied Witan Co
American Air Filter Co
Cambridge Filter Corp
Commercial Filters Corp
Conoflow Corp
Coppus Engrg Corp
Cuno Engrg Corp
Desomatic Products Div
Ducon Co
Hannifin Co
Hilliard Corp
Kahn & Co
Kaye & MacDonald
Metal Textile Corp
Pulverizing Machy Div
Selas Corp of America
Trinity Equipment Corp
Van Products Co
Western Precipitation Div
Wheelabrator Corp
Young Machy Co

FILTERS, AIR, VISCOUS

R P Adams Co
Allied Witan Co
American Air Filter Co
Metal Textile Corp
Trinity Equipment Corp

FILTER CLOTH

woven by

Cloth Specialists in the Filtration Field

Nylon Glass Polymax† Saran
Cotton Dynel Orlon***
Vincel* Dacron*** Teflon*** Polyethylene

M-Treated Cotton Cloth

Our engineering and production facilities are at your disposal. We offer you over 40 years of experience in this single field. Write for literature and samples so that you too may save money through proper selection of both fiber and weave.

FILTER PAPER

"Netone" and "Super Netone" grades for wet strength and chemical resistance.
NFM Natural Kraft for low-cost general usage.
NFM Bleached Kraft for efficient service under many conditions.
We offer a full range of filter papers in various weights and porosities, in both crepe and plain finishes. Literature and samples sent on request.

† TM—National Filter Media Corporation (applied for)
* TM—National Filter Media Corporation
*** TM—E. I. du Pont de Nemours Co.

Weavers of Industrial Filter Media for over Fifty Years

The National Filter Media Corp.

General Offices and Mills: New Haven 14, Conn.
Western Office and Factory: Salt Lake City 10, Utah
Sales Offices—Representatives

C. A. Yarbrough, P.O. Box 13164, Station K, Atlanta 24, Georgia
C. W. Holmsten, Box 9407, Cleveland, Ohio
Alhambra (L.A. Area) California: 20 So. 1st St.
Chicago, Illinois, 6034 N. Cicero Avenue
Maquinaria Minera e Industrial, S.A., Mexico, D.F., Apartado #215
Houston, Texas, 1607 Jefferson Avenue

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FILTERS, ASBESTOS DISK

Brosites Products Corp
National Filter Media Corp
United States Rubber Co, Textile Div

Alsop Engrg Corp
Cellulo Co
Ertel Engrg Corp
Hercules Filter Corp
Hilliard Corp
Ogden Filter Co
Star Tank & Filter Corp
Terriss-Consolidated Industries

FILTERS, CARBON

Barneboy-Cheney Co
Brosites Products Corp
L-A Water Conditioning Inc

R P Adams Co
American Water Softener Co
Cambridge Filter Corp
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Croll-Reynolds Engrs Co
Culligan Inc
Elgin Softener Corp
Ertel Engrg Corp
Filtros, Inc
Hercules Filter Corp
Infilco Inc
National Carbon Co
Niagara Filters Div
Ogden Filter Co
Penfield Mfg Co
Permutit Co
D R Sperry & Co
Star Tank & Filter Corp

FILTERS, CENTRIFUGAL

First Machy Corp

Aerotec Industries
Airmatic Valve
Baker Perkins
Bird Mach Co
Dynamic Filters Inc
Mine Safety Appliances
Pfaudler Co Div
Sharples Corp, Fletcher Div
Tolhurst Centrifugals Div

FILTERS, CLARIFYING

Brosites Products Corp
First Mach Corp
L-A Water Conditioning Inc

Alsop Engrg Corp
American Water Softener Co
Bird Mach Co
Chem Flow Corp
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Croll-Reynolds Engr Co
Culligan Inc
Cuno Engrg Corp
Dorr-Oliver Inc
Duriron Co
Eimco Corp
Elgin Softener Corp
Ertel Engrg Corp
Filtration Engrs Div
Graver Water Conditioning Co
Goslin-Birmingham Mfg Co
Hardinge Co
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Niagara Filters Div
Pall Corp
Permutit Co
Ronningen-Petter Co
Sel-Rex Corp
Sharples Corp
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries
Vic Mfg Co

FILTERS, COLOR

Baush & Lomb Inc
Chem-Pure Service Co
Corning Glass Works
Graver Water Conditioning Co
Croll-Reynolds Engrg Co
Ogden Filter Co
Permutit Co
Ronningen-Petter Co
T Shriver & Co

FILTERS, CONTINUOUS ROTARY

First Machy Corp

Bird Mach Co
Condenser Service & Engrg Co
Cuno Engrg Corp
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Komline-Sanderson Engrg Corp
Posey Iron Works
Edw Renneburg & Sons Co
Ronningen-Petter Co
Sharples Corp

FILTERS, DISPOSABLE CARTRIDGE

Allied Steel Products Corp
Alsop Engrg Corp
American Air Filter Co
American Felt Co
S Blickman, Inc
Chem-Pure Service Co
Commercial Filters Corp
Culligan, Inc
Cuno Engrg Corp
Desomatic Products Div
Hilliard Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Kahn & Co
Niagara Filters Div
Ogden Filter Co
Pall Corp
Sel-Rex Corp
Trinity Equipment Corp

FILTERS, DRUM VACUUM

First Machy Corp

Allied Witan Co
Bird Mach Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Komline-Sanderson Engrg Corp

FILTERS, DUST

►FULLER CO

Aerotec Industries
American Air Filter Co
Bemis Bro Bag Co
Brady Conveyors Corp
Cambridge Filter Corp
Day Co
Dracco Div
Ducon Co
Koppers Co, Metal Products Div
Metal Textiles Corp
Pulverizing Machy Div
Western Precipitation Div
Wheelabrator Corp
Young Machy Co

FILTERS, FEED WATER

L-A Water Conditioning Inc

Alsop Engrg Corp
American Water Softener Co
Boardman Co
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Condenser Service & Engrg Co
Croll-Reynolds Engrg Co
Culligan, Inc
Cuno Engrg Corp
Duriron Co
Elgin Softener Corp
Ertel Engrg Corp
Hercules Filter Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Niagara Filters Div
Permutit Co
Ronningen-Petter Co
Sel-Rex Corp
T Shriver & Co

FILTERS, GAS

Barnebey-Cheney Co

R P Adams Co
American Air Filter Co
American Meter Co
Cambridge Filter Corp
Chem Flow Corp
Commercial Filters Corp
Cuno Engrg Corp
Desomatic Products Div
Eclipse Fuel Engrg Co, Combustion Div
Hilliard Corp
Pall Corp
Selas Corp of America
Terriss-Consolidated Industries
Western Precipitation Div

FILTERS, GLASS FIBER

H Reeve Angel & Co

R P Adams Co
Allied Witan Co
Alsop Engrg Corp
American Air Filter Co
Semon Bache & Co
Cambridge Filter Corp
Commercial Filters Corp
Dorr-Oliver Inc
Hilliard Corp
Pall Corp

FILTERS, GRAVITY

L-A Water Conditioning Inc

Alsop Engrg Corp
American Water Softener Co
Cochrane Div
Commercial Filters Corp
Eimco Corp
Filtros, Inc
Graver Water Conditioning Co
Hercules Filter Corp
Hilliard Corp
Infilco Inc
Pall Corp
Permutit Co
Terriss-Consolidated Industries
United States Stoneware Co

FILTERS, HORIZONTAL

L-A Water Conditioning Inc

Alsop Engrg Corp
American Air Filter Co
American Water Softener Co
Bird Mach Co
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Dorr-Oliver Inc
Duriron Co
Eimco Corp
Ertel Engrg Corp
Filtration Engrs Div
Hercules Filter Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Komline-Sanderson Engrg Corp
Metal Textile Corp
Niagara Filters Div
Ogden Filter Co
Pall Corp
T Shriver & Co
A O Smith Corp
Straight Line Filters, Inc

FILTERS, INDUSTRIAL SHEET

Ertel Engrg Corp
Hercules Filter Corp
Ogden Filter Co
Pall Corp

FILTERS, JACKETED

R P Adams Co
Alsop Engrg Corp
Bird Mach Co
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Dorr-Oliver Inc
Duriron Co
Ertel Engrg Corp
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Metal Textile Corp
Niagara Filters Div
Pall Corp
T Shriver & Co
D R Sperry & Co



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FILTERS, LABORATORY

H Reeve Angel & Co
Brosites Products Corp
Fisher Scientific Co

Alsop Engrg Corp
Bird Mach Co
Commercial Filters Corp
Controlled Atmosphere Enclosures Mfg Co
Corning Glass Works
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Denver Equipment Co
Duriron Co
Eimco Corp
Ertel Engrg Corp
Filtration Engrs Div
Galigher Co
Hercules Filter Corp
Independent Filter Press
Industrial Filter & Pump Mfg Co
Komline-Sanderson Engrg Corp
Multi-Metal Wire Cloth Co
Niagara Filters Div
Ogden Filter Co
Pall Corp
Read Standard Div
Rodney Hunt Mach Co
Selas Corp of America
Sel-Rex Corp
T Shriver & Co
D R Sperry & Co

FILTERS, LEAF

Brosites Products Corp
First Machy Corp

BIF Industries
Bird Mach Co
Cambridge Wire Cloth Co
Commercial Filters Corp
Croll-Reynolds Engrg Co
Dorr-Oliver Inc
Duriron Co
Eimco Corp
Goslin-Birmingham Mfg Co
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Leader Iron Works
National Carbon Co
Niagara Filters Div
Pall Corp
T Shriver & Co

FILTERS, MAGNETIC

Cuno Engrg Corp
Dynamic Filters Inc
Eriez Mfg Co
S G Frantz Co
Pall Corp

FILTERS, MILLIPORE

Chem Flow Corp
Metal Textile Corp

FILTERS, OIL

Alsop Engrg Corp
Cochrane Div
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Desomatic Products Div
Eimco Corp
Elliott Co
Ertel Engrg Co
Hercules Filter Corp
Hilliard Corp
Infilco Inc
Industrial Filter & Pump Mfg Co
Kahn & Co
Niagara Filters Div
Ogden Filter Co
Pall Corp
Sel-Rex Corp
Sharples Corp
T Shriver & Co
A O Smith Corp
D R Sperry & Co
Star Tank & Filter Corp

FILTERS, PAINT & VARNISH

First Machy Corp

Allied Steel Products Corp
Alsop Engrg Corp
American Air Filter Co
American Felt Co
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Eimco Corp
Elliott Co
Gray Co
Hercules Filter Corp
Industrial Filter & Pump Mfg Co
Komline-Sanderson Engrg Corp
Niagara Filters Div
Pall Corp
Ronningen-Petter Co
Sharples Corp
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp

FILTERS, PAN

Bird Mach Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Filtration Engrs Div
T Shriver & Co

FILTERS, PILOT

Alsop Engrg Corp
Commercial Filters Corp
Croll-Reynolds Engrg Co
Denver Equipment Co
Duriron Co
Eimco Corp
Ertel Engrg Corp
Filtration Engrs Div
Industrial Filter & Pump Mfg Co
Hercules Filter Corp
Komline-Sanderson Engrg
Niagara Filters Div
Read Standard Div
Ronningen-Petter Co
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries

FILTERS, PIPE LINE

Barnebey-Cheney Co

Alsop Engrg Corp
American Air Filter Co
Cambridge Filter Corp
Chem Flow Corp
Commercial Filters Corp
Corning Glass Works
Cuno Engrg Corp
Dynamic Filters Inc
Ertel Engrg Corp
Fisher Governor Co
Hilliard Corp
Jacoby-Tarbox Corp
Ronningen-Petter Co
Sharples Corp
T Shriver & Co
Terriss-Consolidated Industries

FILTERS, PLATING

L-A Water Conditioning Inc

R P Adams Co
Alsop Engrg Corp
Commercial Filters Corp
Croll-Reynolds Engrg Co
Ertel Engrg Corp
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Sel-Rex Corp
Sharples Corp
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp

FILTERS, PRE-COAT

First Machy Corp
L-A Water Conditioning Inc

R P Adams Co
BIF Industries
Commercial Filters Corp
Condenser Service & Engrg Co
Croll-Reynolds Engrg Co
Dorr-Oliver Inc
Duriron Co
Eimco Corp
Elgin Softener Corp
Ertel Engrg Corp
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Hercules Filter Corp
Independent Filter Press
Industrial Filter & Pump Mfg Co
Infilco Inc
Komline-Sanderson Engrg Corp
Leader Iron Works
Niagara Filters Div
Ogden Filter Co
Pall Corp
T Shriver & Co
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries
United States Stoneware Co
Vic Mfg Co

FILTERS, PRESSURE

Brosites Products Corp
First Machy Corp
►FULLER CO
L-A Water Conditioning Inc

R P Adams Co
Alsop Engrg Corp
Autoclave Engrs Sales Corp
Bird Mach Co
Boardman Co
Cellulo Co
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Delta Tank Mfg Co
Denver Equipment Co
Dorr-Oliver Inc
Duriron Co
Eimco Corp
Elgin Softener Corp
Ertel Engrg Corp
Filtration Engrs Div
Graver Water Conditioning Co
Goslin-Birmingham Mfg Co
Hannifin Co
Hercules Filter Corp
Hilliard Corp
Infilco Inc
Kahn & Co
Kaye & MacDonald
Niagara Filters Div
Ogden Filter Co
Pall Corp
Permutit Co
Pressure Products Industries
Ronningen-Petter Co
Sharples Corp
T Shriver & Co
D R Sperry & Co
Stainless Products
Star Tank & Filter Corp
Terriss-Consolidated Industries
Vic Mfg Co

FILTERS, REFRIGERATED

Air Products, Inc, Process Equipment Div
Alsop Engrg Corp
Ertel Engrg Corp
Sharples Corp
T Shriver & Co
D R Sperry & Co

FILTERS, SAND

L-A Water Conditioning Inc

American Water Softener Co
Boardman Co
Chem-Pure Service Co
Cochrane Div
Culligan, Inc
Delta Tank Mfg Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Hardinge Co
Industrial Filter & Pump Mfg Co
Infilco Inc
Mason-Neilan Div
Niagara Filters Div
Penfield Mfg Co
Permutit Co
Sharples Corp
Star Tank & Filter Corp
Terriss-Consolidated Industries

FILTERS, SELF-CLEANING

R P Adams Co
American Air Filter Co
American Felt Co
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Duriron Co
Dynamic Filters Inc
Eimco Corp
Elliott Co
Graver Water Condition-ing Co
Filtration Engrs Div
Hannifin Co
Hardinge Co
Hercules Filter Corp
Komline-Sanderson Engrg Corp
Niagara Filters Div
Sharples Corp
T Shriver & Co
Vic Mfg Co
Young Machy Co

FILTERS, SINTERED

R P Adams Co
Airmatic Valve
Chempro Equipment Co
Chem-Pure Service Co
Commercial Filters Corp
Corning Glass Works
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Dynamic Filters Inc
Electro-Ceramics, Inc
Hannifin Co
Hilliard Corp
Kaye & MacDonald
Pall Corp

FILTERS, STEAM HEATED

R P Adams Co
Alsop Engrg Corp
Commercial Filters Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Niagara Filters Div
Sharples Corp
T Shriver & Co
D R Sperry & Co

FILTERS, SUCTION, ACID-PROOF STONEWARE

First Machy Corp

FILTERS, TANK

First Machy Corp

Allied Steel Products Corp
Alsop Engrg Corp
Boardman Co
Chem-Pure Service Co
Commercial Filters Corp
Matt Corcoran Co
Croll-Reynolds Engrg Co
Culligan Inc
Delta Tank Mfg Co
Duriron Co
Filtros Inc
Goslin-Birmingham Mfg Co
Hilliard Corp
Industrial Filter & Pump Mfg Co
Kennedy Tank & Mfg Co
Niagara Filters Div
Nooter Corp
Ogden Filter Co
Sel-Rex Corp
T Shriver & Co
Stainless Products
Terriss-Consolidated Industries
United States Stoneware Co

FILTERS, TUBULAR

R P Adams Co
Allied Steel Products Corp
Commercial Filters Corp
Matt Corcoran Co
Corning Glass Works
Croll-Reynolds Engrg Co
Ertel Engrg Corp
Filtros, Inc
Infilco Inc
Industrial Filter & Pump Mfg Co
National Carbon Co
National Conveyors Co
Niagara Filters Div
Norton Co
Terriss-Consolidated Industries
Vic Mfg Co

FILTERS, VACUUM

First Machy Corp
►FULLER CO

Allied Witan Co
Arrow Tank Co
BIF Industries
Bird Mach Co
Boardman Co
Commercial Filters Corp
Delta Tank Mfg Co
Denver Equipment Co
Eimco Corp
Filtration Engrs Div
Filtros, Inc
Goslin-Birmingham Mfg Co
Hauser-Stander Tank Co
Hercules Filter Corp
Komline-Sanderson Engrg
N R C Equipment Corp
Nooter Corp
Ernest Scott & Co
T Shriver & Co
United States Stoneware Co

FILTERS, VERTICAL

L-A Water Conditioning Inc

Alsop Engrg Corp
American Air Filter Co
Boardman Co
Chem-Pure Service Co
Cochrane Div
Croll-Reynolds Engrg Co
Duriron Co
Ertel Engrg Corp
Goslin-Birmingham Mfg Co
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Niagara Filters Div
Ogden Filter Co
Pall Corp
Permutit Co
Sharples Corp
T Shriver & Co
A O Smith Corp
D R Sperry & Co

FILTERS, WATER

Barnebey-Cheney Co
L-A Water Conditioning Inc

R P Adams Co
Alsop Engrg Corp
American Felt Co
American Water Softener Co
BIF Industries
Baker Perkins Inc
Barnstead Still & Sterilizer Co
Boardman Co
Chem-Pure Service Co
Cochrane Div
Commercial Filters Corp
Croll-Reynolds Engrg Co
Culligan Inc
Cuno Engrg Corp
Delta Tank Mfg Co
Detrex Chem Industries
Elgin Softener Corp
Elliott Co
Ertel Engrg Corp
Filtros, Inc
Graver Water Condition-ing Co
Hardinge Co
Hercules Filter Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Illinois Water Treatment
Infilco Inc
Niagara Filters Div
Ogden Filter Co
Pall Corp
Penfield Mfg Co
Permutit Co
Ronningen-Petter Co
Sel-Rex Corp
T Shriver & Co
A O Smith Corp
D R Sperry & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries

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FILTERS, WELL

Croll-Reynolds Engrg Co
Culligan, Inc
Cuno Engrg Corp
Ertel Engrg Corp
Filtros Inc

FIRE BLANKETS

►JOHNS-MANVILLE
New Jersey Safety Equipment Co

American LaFrance Div
American Optical Co
A E Halperin Co
Lamports Co

FIRE DETECTORS

American LaFrance Div
Atlas Valve Co
Cardox Div
Thomas A Edison Industries
Grinnell Co
Kidde Ultrasonic & Detection Alarms Div
Victory Engrg Corp

FIRE EXTINGUISHERS

Ansul Chem Co
Fisher Scientific Co

American LaFrance Div
John Bean Div
Cardox Div
Corona Mfg Corp
Walter Kidde & Co, Industrial & Marine Div
M L Snyder & Son
United States Rubber Co

FIRE PROTECTION SYSTEMS

Ansul Chem Co

American LaFrance Div
Automatic Sprinkler Corp of America
Baughman Mfg Co
Cardox Div
Cutler-Hammer Inc
Thomas A Edison Industries
Grinnell Co
Walter Kidde & Co, Industrial & Marine Div
M L Snyder & Son

FIRST AID EQUIPMENT

Fisher Scientific Co
New Jersey Safety Equipment Co

A E Halperin Co
Mine Safety Appliances

FITTINGS, AIR HOSE

►GOODALL RUBBER CO

Aeroquip Corp
Chicago Pneumatic Tool
Cleco Air Tools Div
Gray Co
Hewitt-Robins
Hose Accessories Co
Imperial-Eastman Corp
Parker Fittings & Hose Div
Snap-Tite, Inc
Stewart-Warner Corp, Alemite Div
Victaulic Co of America

FITTINGS, CONDUIT, ELECTRIC

►JOHNS-MANVILLE
►METAL & THERMIT CORP

Aluminum Co of America
Colonial Plastics Mfg Co
Harvey Aluminum
Killark Elec Mfg Co

FITTINGS, FLANGED

►HENRY VOGT MACH CO
Hetherington & Berner
►SWEPCO TUBE CORP

Acipco Steel Products Div
Aeroquip Corp
Alloy Flange & Fitting Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Chase Brass & Copper Co
Colonial Plastics Mfg Co
Cooper Alloy Corp
Esco Corp
Grinnell Co
B F Goodrich Industrial Products Co
Killark Elec Mfg Co
Midwest Piping Div
Parker Fittings & Hose Div
Resistoflex Corp
Speedline Fittings Div
Stainless Products
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Plastics

FITTINGS, FORGED, SCREWED & SOCKET

►HENRY VOGT MACH CO

Aeroquip Corp
Ampco Metal
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
Clayton Mark & Co
Cooper Alloy Corp
Crane Co
Esco Corp
Harvey Aluminum
Ladish Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Snap-Tite, Inc
Tube Turns Div
York Corp

FITTINGS, HIGH PRESSURE

►HENRY VOGT MACH CO

Aeroquip Corp
Alloy Flange & Fitting Corp
Ampco Metal
Autoclave Engrs Sales Corp
Clayton Mark & Co
Crane Co
Crawford Fitting Co
Dresser Mfg Div
Gray Co
Grinnell Co
Hewitt-Robins
Hose Accessories Co
Imperial-Eastman Corp
Kahn & Co
Ladish Co
Midwest Piping Div
W K Mitchell & Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Pressure Products Industries
Snap-Tite, Inc
Stainless Products, Inc
Star Tank & Filter Corp
Stewart-Warner Corp, Alemite Div
Tube Turns Div
York Corp

FITTINGS, HYDRAULIC HOSE

Aeroquip Corp
Consolidated Controls Corp
Gray Co
Imperial-Eastman Corp
Parker Fittings & Hose Div
Polymer Corp
Snap-Tite, Inc
Stewart-Warner Corp, Alemite Div
Victaulic Co of America

FITTINGS, PIPE

Hetherington & Berner
►JOHNS-MANVILLE
►SWEPCO TUBE CORP

Acipco Steel Products Div
Aeroquip Corp
Allied Steel Products Corp
Aluminum Co of America
Ampco Metal
Anchor Coupling Co
Babcock & Wilcox Co, Tubular Products Div
Chase Brass & Copper Co
Clayton Mark & Co
Colonial Plastics Mfg Co
Cooper Alloy Corp
Crane Co
Crucible Steel Co of America
Dresser Mfg Div
Esco Corp
Evans Pipe Co
B F Goodrich Industrial Products Co
Grinnell Co
Haveg Industries
Haynes Stellite Co
Imperial-Eastman Corp
International Mfg Co
Ladish Co
Logan Clay Products Co
Midwest Piping Div
W K Mitchell & Co
National Carbon Co
O-T-M Corp
Parker Fittings & Hose Div
Parks-Cramer Co
Pfaudler Co Div
H K Porter Co, Forge & Fittings Div
Resistoflex Corp
Robinson Clay Product Co
Speedline Fittings Div
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Div
Victaulic Co of America
Walworth Co
York Corp

FITTINGS, PIPE, ALLOY STEEL

►SWEPCO TUBE CORP
►HENRY VOGT MACH CO

Acipco Steel Products Div
Allied Steel Products Corp
Alloy Flange & Fitting Corp
Babcock & Wilcox Co, Tubular Div
Camco Fittings, Inc
Clayton Mark & Co
Cooper Alloy Corp
Crane Co
Crucible Steel Co of America
Dresser Mfg Div
Esco Corp
Ladish Co
Midwest Piping Div
W K Mitchell & Co
O-T-M Corp
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Horace T Potts Co
W G Rovang & Assoc
Speedline Fittings Div
Stainless Products, Inc
Star Tank & Filter Corp
Terriss-Consolidated Industries
Tube Turns Div
York Corp

FITTINGS, PIPE, ALUMINUM

►SWEPCO TUBE CORP

Alloy Flange & Fitting Corp
Aluminum Co of America
Dresser Mfg Div
Killark Elec Mfg Co
W K Mitchell & Co
Speedline Fittings Div
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Tube Turns Div
Victaulic Co of America
Wheaton Brass Works

FITTINGS, PIPE, FORGED STEEL

►HENRY VOGT MACH CO

Alloy Flange & Fitting Corp
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
Clayton Mark & Co
Crane Co
Dresser Mfg Div
Esco Corp
Haveg Industries
Ladish Co
Midwest Piping Div
LaFavorite Rubber Mfg Co
W K Mitchell & Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
O-T-M Corp
Tube Turns Div
York Corp

FITTINGS, PIPE, IRON

Hetherington & Berner
United States Pipe & Foundry Co

Acipco Steel Products Div
Dresser Mfg Div
Duriron Co
Ladish Co
Marley Co
Stockham Valves & Fittings
Tube Turns Div
Victaulic Co of America
Walworth Co
York Corp

FITTINGS, PIPE, LEAD LINED FORGED STEEL

American Smelting & Refining Co
Division Lead Co
Heil Process Equipment
Knapp Mills Inc
Walworth Co

FITTINGS, PIPE, PLASTIC

Dow Chem Co
►GOODALL RUBBER CO
L-A Water Conditioning Inc

American Hard Rubber Co
Carlon Products Corp
Chemical & Power Products
Colonial Plastics Mfg Co
Crane Co
Dresser Mfg Div
Evanite Plastic Co
B F Goodrich Industrial Products Co
Grinnell Co
Heil Process Equipment
Luzerne Rubber Co
Mercer Rubber Co
Nalge Co
Resistoflex Corp
Spiral-Glas Pipe Co
Stainless Products
Tube Turns Plastics
United States Rubber Co
Victaulic Co of America
Walworth Co

FITTINGS, PIPE, TITANIUM

Alloy Flange & Fitting Corp
Crucible Steel Co of America
Esco Corp
Harvey Aluminum
Midwest Piping Div
Pfaudler Co Div
W G Rovang & Assoc
Speedline Fittings Div
Tube Turns Div

FITTINGS, RUBBERLINE

American Hard Rubber Co
Automotive Rubber Co
Chase Chem Corp
Consolidated Controls Corp
Dresser Mfg Div
B F Goodrich Industrial Products Co
Gray Co
Heil Process Equipment Corp
Knapp Mills Inc
Luzerne Rubber Co
Mercer Rubber Co
United States Rubber Co

FITTINGS, SANITARY

Alloy Products Corp
Bishopric Products Co
Colonial Plastics Mfg Co
Ladish Co, Tri-Clover Div
Stockham Valves & Fittings
Terriss-Consolidated Industries
Tube Turns Plastics

FITTINGS, SEAMLESS

Alloy Flange & Fitting Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Crucible Steel Co of America
Dresser Mfg Div
Esco Corp
Grinnell Co
Ladish Co
Midwest Piping Div
Tube Turns Div

FITTINGS, STEEL, BARREL & DRUM

Vulcan Containers

FITTINGS, TANK

Allied Steel Products Corp
Arrow Tank Co
Bishopric Products Co
Boardman Co
Dresser Mfg Div
Hauser-Stander Tank Co
Haveg Industries
Ladish Co, Tri-Clover Div
Pfaudler Co Div
H K Porter Co, Forge & Fittings Div
Star Tank & Filter Corp
Wheaton Brass Works
Wyatt Metal & Boiler Works Div

FITTINGS, TUBING

►SWEPCO TUBE CORP

Aeroquip Corp
Allied Steel Products Corp
Chase Brass & Copper Co
Crawford Fitting Co
Crucible Steel Co of America
Dresser Mfg Div
Esco Corp
Gray Co
Imperial-Eastman Corp
Ladish Co, Tri-Clover Div
W K Mitchell & Co
Parker Fittings & Hose Div
Star Tank & Filter Corp

FITTINGS, VACUUM

F J Cooke Inc
Crawford Fittings Co
Dresser Mfg Div
Laboratory Furniture Co
Ladish Co, Tri-Clover Div
Snap-Tite, Inc
Stockham Valves & Fittings

FITTINGS, WELDING

►SWEPCO TUBE CORP
►HENRY VOGT MACH CO

Allied Steel Products Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Crane Co
Dresser Mfg Div
Esco Corp
Grinnell Co

FITTINGS, WELDING (continued)

Ladish Co
W K Mitchell & Co
O-T-M Corp
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Snap-Tite, Inc
Speedline Fittings Div
Star Tank & Filter Corp
Tube Turns Div
Walworth Co

FITTINGS, WELDING CARBON STEEL

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
►HENRY VOGT MACH CO

Babcock & Wilcox Co, Tubular Products Div
Clayton Mark & Co
Crane Co
Crawford Fitting Co
Dresser Mfg Div
Esco Corp
Grinnell Co
Ladish Co
Midwest Piping Div
W K Mitchell & Co
O-T-M Corp
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Star Tank & Filter Corp
Tube Turns Div

FITTINGS, WELDING STAINLESS STEEL

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
►SWEPCO TUBE CORP
►HENRY VOGT MACH CO

Allied Steel Products Corp
Alloy Flange & Fitting Corp
Alloy Products Corp
Babcock & Wilcox Co, Tubular Products Div
Clayton Mark & Co
Cleveland Vibrator Co
Cooper Alloy Corp
Crawford Fitting Co
Esco Corp
Flowline Corp
Grinnell Co
Ladish Co, Tri-Clover Div
Midwest Piping Div
W K Mitchell & Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
W G Rovang & Assoc
Speedline Fittings Div
Stainless Products, Inc
Star Tank & Filter Corp
Tube Turns Div
Walworth Co
Wyatt Metal & Boiler Works Div

FLAKERS

Alten Foundry & Mach Works
V D Anderson Co
Buflovak Equipment Div
Clayton Mark & Co
J P Devine Mfg Co
Goslin-Birmingham Mfg Co
Franklin P Miller & Son
Sandvik Steel
F J Stokes Corp

FLAME ARRESTERS

New Jersey Safety Equipment Co

Black, Sivalls & Bryson

FLANGES, BUNG

American Flange & Mfg Co
Vulcan Containers

FLANGES, DRUM

American Flange & Mfg Co
Vulcan Containers

FLANGES, PIPE

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
►RESISTOFLEX CORP
HENRY VOGT MACH CO

Acipco Steel Products Div
Alco Products
Allied Steel Products Corp
Alloy Flange & Fitting Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Bryant Industrial Products
Colonial Plastics Mfg Co
Cooper Alloy Corp
Dresser Mfg Div
Ellison Draft Gage Co
Esco Corp
Flowline Corp
General Controls Co
Grinnell Co
Ladish Co
Mack Iron Works Co
Midwest Piping Co
O-T-M Corp
Pennsylvania Forge Div
W G Rovang & Assoc
Speedline Fittings Div
Spiral-Glas Pipe Co
Stainless Products
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Div
Tube Turns Plastics
Walworth Co

FLOATS

Neirad Industries

Alloy Products Corp
Luzerne Rubber Co

FLOORING, ACID-PROOF

American Hard Rubber Co
American Smelting & Refining Co
Electro Chem Engrg & Mfg
Haveg Industries
Heil Processs Equipment
Knapp Mills Inc
National Carbon Co
Robinson Clay Product Co
Ralph C Rulon, Inc
United States Stoneware Co

FLOORING, ASPHALT

Philip Carey Mfg Co
►JOHNS-MANVILLE

Armstrong Cork Co, Floor Div
Ralph C Rulon, Inc

FLOORING, BRICK

Electro Chem Engrg & Mfg Co
Ralph C Rulon, Inc

FLOORING, CARBON

National Carbon Co
Ralph C Rulon, Inc

FLOORING, CORK

Armstrong Cork Co, Floor Div

FLOORING, IRON & STEEL

Dravo Corp
Eastern Stainless Steel Corp
Hendrick Mfg Co
Klemp Metal Grating Corp

FLOORING, RUBBER

►GOODALL RUBBER CO

American Biltrite Rubber Co
American Hard Rubber Co
Armstrong Cork Co, Floor Div
Carborundum Co

FLOORING, VINYL

►JOHNS-MANVILLE

American Biltrite Rubber Co
Armstrong Cork Co, Floor Div

FLOTATION EQUIPMENT

Heyl & Patterson, Inc

Denver Equipment Co
Eimco Corp
General American Transportation Corp
Graver Water Conditioning Co
Galigher Co
Infilco Inc
Mixing Equipment Co
Stearns-Roger Mfg Co
Wemco Div, Western Machy Co

FLOTATION MACHINERY

Heyl & Patterson, Inc

Denver Equipment Co
Eimco Corp
General American Transportation Corp
Galigher Co
Mixing Equipment Co
Stearns-Roger Mfg Co
Wemco Div, Western Machy Co

FLOW CONTROL EQUIPMENT METERS

Fisher Scientific Co
Hetherington & Berner

BIF Industries
Bailey Meter Co
Beckman Instruments, Berkeley Div
Bristol Co
Brooks Instrument Co
Buffalo Meter Co
Culligan, Inc
Eclipse Fuel Engrg Co, Combustion Div
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Hastings-Raydist
Hoke Inc
Infilco, Inc
Leeds & Northrup Co
Mason-Neilan Div
Moore Products Co
National Instrument Labs Inc
Neptune Meter Co
Potter Aeronautical Corp
Republic Flow Meters Co
Rockwell Mfg Co
Rotron Mfg Co
Shutte & Koerting Co
Wallace & Tiernan Inc

FLOW CONTROL EQUIPMENT RESPONSIVE DEVICES

Magnetrol, Inc

BIF Industries
Bailey Meter Co
Brooks Instrument Co
Conoflow Corp
Consolidated Controls Corp
Culligan, Inc
Fischer & Porter Co
Foxboro Co
General Controls Co
Gulton Industries
Hastings-Raydist
Infilco Inc
Jordan Controls
W A Kates Co
Leeds & Northrup Co
North American Mfg Co
Potter Aeronautical Corp
Republic Flow Meters Co
Wheaton Brass Works

FLOW CONTROL SYSTEMS

►DRESSER ELECTRONICS

BIF Industries
Bailey Meter Co
Bin-Dicator Co
Brooks Instrument Co
Buffalo Meter Co
Consolidated Electrodynamics
Culligan, Inc
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Hastings-Raydist
Infilco Inc
Jordan Controls
W A Kates Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Milton Roy Co
Moore Products Co
National Instrument Labs Inc
North American Mfg Co
Potter Aeronautical Corp
Rapids-Standard Co
Republic Flow Meter Co
Richardson Scale Co
Wallace & Tiernan Inc

FLUOROPHOTOMETERS

Fisher Scientific Co

American Instrument Co
Coleman Instruments

FLUXES, BRAZING

Aluminum Co of America
Ampco Metal
Dalweld Co
Handy & Harman
Jarrel-Ash Co
Wall Colmonoy Corp

FOIL—ALUMINUM, TIN, ZINC, ETC.

Aluminum Co of America
American Smelting & Refining Co
Division Lead Co
Kaiser Aluminum & Chem Corp
Revere Copper & Brass

FORGINGS, ALUMINUM

Aluminum Co of America
Chase Brass & Copper Co
Harvey Aluminum
Kaiser Aluminum & Chem Corp
Ladish Co
Pettibone Mulliken Corp
H K Porter Co, Forge & Fittings Div
Revere Copper & Brass
Titan Metal Mfg Co

FORGINGS, HOLLOW

Bethlehem Steel Co
Crucible Steel Co of America
Harvey Aluminum
Ladish Co
Pennsylvania Forge Div

FORGINGS, LEADED STEEL

Alco Products
Bethlehem Steel Co
Ladish Co
Pennsylvania Forge Div

FORGINGS, STEEL

Alco Products
Alloy Flange & Fitting Corp
Bethlehem Steel Co
Crucible Steel Co of America
Carpenter Steel Co
Ladish Co
Pennsylvania Forge Div
Pettibone Mulliken Corp
H K Porter Co, Forge & Fittings Div
Struthers Wells Corp

FRACTIONATORS

Artisan Metal Products
Bethlehem Steel Co
Chicago Bridge & Iron Co
Colonial Iron Works Co
Matt Corcoran Co
Delta Tank Mfg Co
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Packed Column Corp
Podbielniak, Inc
Posey Iron Works
Scientific Glass Apparatus Co
Southwestern Engrg Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
United States Stoneware Co
Vulcan Mfg
Wyatt Metal & Boiler Works Div

FRICTION MATERIALS

►JOHNS-MANVILLE

Armstrong Cork Co, Industrial Div
American Felt Co
Raybestos-Manhattan

FUME REMOVING SYSTEMS

Barnebey-Cheney Co
Croll-Reynolds Co

Allied Steel Products Corp
American Air Filter Co
Carl N Beetle Plastics Corp
Brooklyn Blower & Pipe
Buell Engrg Co
Colonial Plastics Mfg Co
Day Co
Dust Suppression & Engrg Co
Haveg Industries
Heil Process Equipment Corp
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Laboratory Furniture Co

Metalab Equipment Co
Oxy-Catalyst, Inc
Pangborn Corp
Edw Renneburg & Sons Co
Research-Cottrell
Claude B Schneible Co
Schutte & Koerting Co
Thermal Research & Engrg Corp
United States Stoneware
Western Precipitation Div
Wheelabrator Corp

FUMIGATION EQUIPMENT, INDUSTRIAL

J P Devine Mfg Co

FUNNELS

Fisher Scientific Co

Corning Glass Works
Culligan Inc
Ellisco Inc
Kimble Glass Co
Scientific Glass Apparatus
Terriss-Consolidated Industries

FURNACE ACCESSORIES

American Gas Furnace Co
Carrier Corp
Cutler-Hammer Inc
Esco Corp
Farris Engrg Corp
Fostoria Corp
General Elec Co, Apparatus Sales Div
National Airoil Burner Co
Kaiser Refractories & Chems Div
Norton Co
W S Rockwell Co
F J Stokes Corp
Thermolyne Corp
West Instrument Corp
Whiting Corp

FURNACES, ANNEALING

Allied Steel Products Corp
American Gas Furnace
Consolidated Vacuum Corp
Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
W S Rockwell Co
Selas Corp of America
Thermolyne Corp
Wall Colmonoy Corp
Whiting Corp

FURNACES, ASSAY

American Gas Furnace Co
Electric Hotpack Co
L & L Mfg Co
W S Rockwell Co
Thermolyne Corp

FURNACE, CALCINING

Allied Steel Products Corp
Amerian Gas Furnace Co
Gas Machy Co
Kennedy Van Saun Mfg & Engrg Corp
L & L Mfg Co
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Selas Corp of America

FURNACES, CRUCIBLE

Fisher Scientific Co

American Gas Furnace Co
Hevi-Duty Elec Co
L & L Mfg Co
W S Rockwell Co
Surface Combustion Div
Thermolyne Corp

FURNACES, ELECTRICAL

Consolidated Vacuum Corp
Despatch Oven Co
Electric Hotpack Co
Engelhard Industries
Fostoria Corp
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
Laboratory Equipment Corp
Leeds & Northrup Co
N R C Equipment Corp
W S Rockwell Co
Surface Combustion Div
Thermolyne Corp
Whiting Corp

FURNACES, HEARTH-TYPE

Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
Nichols Engrg & Research Corp
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Whiting Corp

FURNACES, HEAT TREATING

American Gas Furnace Co
Consolidated Vacuum Corp
Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
Leeds & Northrup Co
N R C Equipment Corp
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Thermolyne Corp
Wall Colmonoy Corp
Whiting Corp

FURNACES, HIGH VACUUM

Consolidated Electro-dynamics
Consolidated Vacuum Corp
Controlled Atmosphere Enclosures Mfg Co
F J Cooke Inc
General Elec Co, Apparatus Sales Div
Electric Hotpack Co
Hevi-Duty Elec Co
L & L Mfg Co
N R C Equipment Corp
W S Rockwell Co
F J Stokes Corp
Wall Colmonoy Corp

FURNACES, LABORATORY

Fisher Scientific Co

American Gas Furnace Co
Consolidated Vacuum Corp
Despatch Oven Co
Electric Hotpack Co
Engelhard Industries
Hevi-Duty Elec Co
L & L Mfg Co
Laboratory Equipment Corp
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Thermolyne Corp

FURNACES, MUFFLE

Fisher Scientific Co

Allied Steel Products Corp
American Gas Furnace Co
Colonial Iron Works Co
Electric Hotpack Co
Gas Machy Co
Hevi-Duty Elec Co
W S Rockwell Co
Selas Corp of America
Thermolyne Corp

FURNACES, OIL

Despatch Oven Co
Foster Wheeler Corp
Gas Machy Co
Hevi-Duty Elec Co
Industrial Process Engrs
Ray Oil Burner Co
W S Rockwell Co
Struthers Wells Corp
Thermal Research & Engrg Corp
Whiting Corp

FURNACES, ROASTING

American Gas Furnace Co
Despatch Oven Co
W S Rockwell Co
F L Smidth & Co
Surface Combustion Div

FURNACES, ROTARY

Standard Steel Corp

American Gas Furnace Co
Despatch Oven Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
Kennedy Van Saun Mfg & Engrg Corp
Leader Iron Works
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Selas Corp of America
F L Smidth & Co
Surface Combustion Div
Whiting Corp

FURNACES, TUBE

Fisher Scientific Co

American Gas Furnace Co
Despatch Oven Co
Electric Hotpack Co
Foster Wheeler Corp
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
Industrial Process Engrs
M W Kellogg Co
L & L Mfg Co
W S Rockwell Co
Selas Corp of America
Surface Combustion Div

FURNACES, VERTICAL

American Gas Furnace Co
Bethlehem Foundry & Mach Co
Despatch Oven Co
Foster Wheeler Corp
General Elec Co, Apparatus Sales Div
Gas Machy Co
Hevi-Duty Elec Co
M W Kellogg Co
L & L Mfg Co
Litton Engrg Labs
W S Rockwell Co
Selas Corp of America
Surface Combustion Div
Thermal Research & Engrg Corp
Western Precipitation Div
Whiting Corp

FUSES

Anaconda American Brass Co
General Elec Co, Apparatus Sales Div

G

GALVANOMETERS

Fisher Scientific Co

Cambridge Instrument Co
Coleman Instruments
Consolidated Electro-dynamics
General Elec Co, Apparatus Sales Div
Geotechnical Corp
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Simpson Elec Co
Thermo Elec Co

GAS ANALYSIS APPARATUS

Fisher Scientific Co

Apex Scientific Co
Bailey Meter Co
Cambridge Instrument Co
Coleman Instruments
Consolidated Electro-dynamics
Ellison Draft Gage Co
Engelhard Industries
F & M Scientific Corp
Fischer & Porter Co
Hallikainen Instruments
Industrial Instruments
Laboratory Equipment Corp
Leeds & Northrup Co
Milton Roy Co
National Instrument Labs Inc
Perkin-Elmer Corp
Podbielniak, Inc
Republic Flow Meters Co
Thermco Instrument Corp
Victory Engrg Corp

GAS CHROMOTOGRAPHY APPARATUS

Applied Science Labs
►DRESSER ELECTRONICS
Fisher Scientific Co

American Instrument Co
Baroid Div, National Lead Co
Beckman Instruments, Scientific & Process Instruments Div
Bio-Rad Labs
Consolidated Electro-dynamics
Electric Hotpack Co
F & M Scientific Corp
Fischer & Porter Co
Hallikainen Instruments
Industrial Instruments
Johnson-Williams
Leeds & Northrup Co
Milton Roy Co
Perkin-Elmer Corp
Podbielniak, Inc
Victory Engineering Corp

GAS HOLDERS

Bethlehem Steel Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Pittsburgh-Des Moines Steel Co
Walker Process Equipment
C H Wheeler Mfg Co

GASKETING MATERIAL, LOW VAPOR PRESSURE

Dow Chem Co
►JOHNS-MANVILLE

American Biltrite Rubber Co
American Felt Co
Chemical & Power Products
Connecticut Hard Rubber Co
Garlock Inc
Greene, Tweed & Co
Hewitt-Robins
Hollow Center Packing Co
Metal Textile Corp
Pfaudler Co Div
Sterling Packing & Gasket Co

GASKETS, ACID & ALKALI RESISTING

►JOHNS-MANVILLE

Akron Metallic Gasket Co
American Felt Co
American Hard Rubber Co
Armstrong Cork Co, Industrial Div
Automotive Rubber Co
Chem Flow Corp
Chemical & Power Products
Chicago Gasket Co
Colonial Plastics Mfg Co
Connecticut Hard Rubber Co
Duriron Co
Garlock Inc
B F Goodrich Industrial Products Co
Goshen Rubber Co
Greene, Tweed & Co
Haveg Industries
Hewitt-Robins
Hollow Center Packing Co
Knapp Mills Inc
Pfaudler Co Div
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
M L Snyder & Son
Sterling Packing & Gasket Co
United States Stoneware

GASKETS, ASBESTOS

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Akron Metallic Gasket Co
Armstrong Cork Co, Industrial Div
Chem Flow Corp
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Keasbey & Mattison Co
Metallo Gasket Co
Pfaudler Co Div
Raybestos-Manhattan
Sterling Packing & Gasket Co

GASKETS, COPPER ASBESTOS

►JOHNS-MANVILLE

Akron Metallic Gasket Co
Garlock Inc
Hollow Center Packing Co
Metallo Gasket Co
Pfaudler Co Div
Sterling Packing & Gasket Co

GASKETS, FLUOROPLASTIC

►JOHNS-MANVILLE

Chem Flow Corp
Chemical & Power Products
Chicago Gasket Co
Connecticut Hard Rubber Co
Garlock Inc
Greene, Tweed & Co
Polymer Corp
Sterling Packing & Gasket
Tri-Point Plastics Inc

►See catalog advertisement (Advertisers Index) See company directory for addresses

GASKETS, LEAD

►JOHNS-MANVILLE

Akron Metallic Gasket Co
American Smelting & Refining Co
Division Lead Co
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Knapp Mills Inc
Metallo Gasket Co
Sterling Packing & Gasket

GASKETS, LEATHER

Chicago-Allis Mfg Corp
Garlock Inc
Greene, Tweed & Co
E F Houghton & Co
Hollow Center Packing Co
Sterling Packing & Gasket

GASKETS, METALLIC

►JOHNS-MANVILLE

Akron Metallic Gasket Co
Esco Corp
Chemical & Power Products
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Metallo Gasket Co
Pfaudler Co Div
Sterling Packing & Gasket Co

GASKETS, PAPER

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Akron Metallic Gasket Co
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Sterling Package & Gasket Co

GASKETS, PLASTIC

►JOHNS-MANVILLE
►GOODALL RUBBER CO

Arkon Metallic Gasket Co
Chemical & Power Co
Chicago Gasket Co
Colonial Plastics Mfg Co
Durlron Co
Garlock Inc
Geauga Industries Co
B F Goodrich Industrial Products Co
Greene, Tweed & Co
Haveg Industries
Knapp Mills Inc
Polymer Corp
Protective Lining Corp
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Sterling Packing & Gasket Co
United States Stoneware Co

GASKETS, RUBBER

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Acushnet Process Co
Akron Metallic Gasket Co
American Felt Co
American Hard Rubber Co
Armstrong Cork Co, Industrial Div
Automotive Rubber Co
Bacon Industries
Chem Flow Corp
Chicago-Allis Mfg Corp
Colonial Rubber Co
Connecticut Hard Rubber Co
Garlock Inc
Gates Rubber Co
Geauga Industries Co
B F Goodrich Industrial Products Co
Goshen Rubber Co
Greene, Tweed & Co
Haveg Industries
Hewitt-Robins
Hollow Center Packing Co
E F Houghton & Co
King Engrg Corp
Mercer Rubber Co
Metallo Gasket Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Roberts Toledo Rubber Co
M L Snyder & Son
Sterling Packing & Gasket Co
United States Rubber Co
Victualic Co of America

GASKETS, STEEL DRUMS

►GOODALL RUBBER CO
►JOHNS-MANVILLE

American Felt Co
Armstrong Cork Co, Industrial Div
Eastern Steel Barrel Corp
Geauga Industries Co
Greene, Tweed & Co
Raybestos-Manhattan
M L Snyder & Son
Sterling Packing & Gasket Co
Vulcan Containers

GATES, DISCHARGE, BIN & BUNKER

►FULLER CO

Allen-Sherman-Hoff Co
Barber-Greene Co
Beaumont Birch Co
Boardman Co
Chain Belt Co
Day Co
Gifford-Wood Co
S Howes Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Materials Handling Equipment Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Syntron Co

GAUGES, DIAPHRAGM

American-Standard Controls Div
Bailey Meter Co
Ellison Draft Gage Co
Foxboro Co
Helicoid Gage Div
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co
United States Gauge Div

GAUGES, DRAFT

Bailey Meter Co
Bristol Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Hastings-Raydist
King Engrg Co
Republic Flow Meters Co
Wallace & Tiernan Inc

GAUGES, FILTER

Ellison Draft Gage Co

GAUGES, HEATED & COOLED

Strahman Valves

GAUGES, INDICATING, VACUUM & DIFFERENTIAL

American-Standard Controls Div
BIF Industries
Bailey Meter Co
Bristol Co
Consolidated Electrodynamics
Consolidated Vacuum Corp
F J Cooke Inc
Crosby Valve & Gage Co
Dynamic Filters Inc
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
Helicoid Gage Div
Infilco Inc
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Arthur F Smith, Inc
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, LIQUID LEVEL

►HENRY VOGT MACH CO

Alloy Steel Products Co
American-Standard Controls Div
Associated Valve Co
BIF Industries
Bailey Meter Co
Bristol Co
Brooks Instrument Co
Consolidated Vacuum Corp
Crosby Valve & Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Gulton Industries
Infilco Inc
Jerguson Gage & Valve Co
King Engrg Corp
Liquidometer Corp
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
Wm Powell Co
Charles Ross & Son Co
Strahman Valves
Wallace & Tiernan Inc
Wheaton Brass Works
Yarnall-Waring Co

GAUGES, MECHANICAL FORCE

Minneapolis-Honeywell Industrial Products

GAUGES, NUCLEAR

Consolidated Controls Corp

GAUGES, PRESSURE

Fisher Scientific Co

Airmatic Valve
American-Standard Controls Div
Bailey Meter Co
Bristol Co
Cameron Iron Works
Consolidated Electrodynamics
Crosby Valve & Gage Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Gray Co
Gulton Industries
Hastings-Raydist
Helicoid Gage Div
Hoke Inc
MSA Research Corp
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Pressure Products Industries
Pyronics, Inc
Republic Flow Meters Co
Arthur F Smith, Inc
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, STRAIN

American-Standard Controls Div
Consolidated Electrodynamics
Foxboro Co
General Elec Co, Apparatus Sales Div
Gulton Industries

GAUGES, TANK

American-Standard Controls Div
Brooks Instrument Co
Fischer & Porter Co
Foxboro Co
Geotechnical Corp
Grinnell Co
Jerguson Gage & Valve Co
King Engrg Corp
Liquidometer Corp
Strahman Valves
Wheaton Brass Works

GAUGES, TEMPERATURE

Fisher Scientific Co

American-Standard Controls Div
Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Electric Autolite Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Partlow Corp
Pyrometer Instrument Co
Republic Flow Meters Co
Simpson Elec Co
United States Gauge Div
Weksler Instruments Corp

GAUGES, THICKNESS

American Instrument Co
Branson Instruments
General Elec Co, Apparatus Sales Div
Philips Electronic Instruments
Sealol, Inc
Simpson Elec, Size Control
Sperry Products Co
Stewart-Warner Corp

GAUGES, VACUUM

Fisher Scientific Co

Bailey Meter Co
Bryant Industrial Products
Consolidated Electrodynamics
Consolidated Vacuum Corp
F J Cooke Inc
Crosby Valve & Gage Co
Electric Autolite Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
Helicoid Gage Div
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
N R C Equipment Corp
Republic Flow Meters Co
Arthur F Smith, Inc
F J Stokes Corp
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, WATER

BIF Industries
Barnstead Still & Sterilizer Co
Brooks Instrument Co
Fischer & Porter Co
B F Goodrich Industrial Products Co
Helicoid Gage Div
Jerguson Gage & Valve Co
Liquidometer Corp
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
United States Gauge Div
Yarnall-Waring Co

GEARMOTORS

Allis-Chalmers Mfg Co
Bowmar Instrument Corp
Century Elec Co
Electra Motors
Electric Autolite Co
Elliott Co
Falk Corp
General Controls Co
Hewitt-Robins
General Elec Co, Apparatus Sales Div
D O James Gear Mfg Co
Link-Belt Co
Reliance Elec & Engrg Co
Arthur F Smith, Inc
Sterling Elec Motors
United States Elec Motors

GEARS, REDUCTION

Alten Foundry & Mach Works
Bethlehem Steel Co
Bowmar Instrument Corp
Cleveland Worm & Gear Div
Electra Motors
Elliott Co
Fairbanks, Morse & Co
Falk Corp
General Elec Co, Apparatus Sales Div
Hewitt-Robins
D O James Mfg Co
Link-Belt Co
Master Elec Div
F L Smidth & Co
Stearns-Roger Mfg Co
Terry Steam Turbine Co
Twin Disc Clutch Co

GENERATORS, A. C.

Allis-Chalmers Mfg Co
Carrier Corp
Century Elec Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Onan Div
Reliance Elec & Engrg Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

GENERATORS, ACETYLENE

Linde Co

GENERATORS, CARBON DIOXIDE

Gas Atmospheres
Infilco Inc
Knapp Mills Inc
Franklin P Miller & Son
Walker Process Equipment

GENERATORS, D. C.

Allis-Chalmers Mfg Co
Carrier Corp
Century Elec Co
Electric Autolite Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
Onan Div
Reliance Elec & Engrg Co

GENERATORS, GAS ENGINE POWERED

Caterpillar Tractor Co
Century Elec Co
Electric Machy Mfg Co
Elliot Co
Gas Machy Co
Marathon Elec Mfg Corp
Nordberg Mfg Co
Onan Div

GENERATORS, HIGH FREQUENCY

Electric Machy Mfg Co
General Elec Co, Apparatus Sales Div
General Radio Co
Marathon Elec Mfg Corp
Reeve Electronics

GENERATORS, INERT GAS

Engelhard Industries
Gas Atmospheres
General Elec Co, Apparatus Sales Div
Submerged Combustion
Superior Air Products Co
Thermal Research & Engrg Co

GENERATORS, OXYGEN

Linde Co
Superior Air Products Co

GENERATORS, OZONE

Mast Development Co
Welsbach Corp

GENERATORS, STEAM

►HENRY VOGT MACH CO

Alco Products
Bros, Inc
Clayton Mfg Co
Combustion Engrg
Coppus Engrg Corp
Delta Tank Mfg Co
Eclipse Fuel Engrg Co, Boiler Div
Foster Wheeler Corp
Griscom-Russell Co
International Boiler Works Co
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Riley Stoker Corp
Union Iron Works

GENERATORS, STEAM, ELECTRIC POWERED

Bros, Inc
Old Dominion Iron & Steel

GENERATORS, SYNCHRONOUS

Allis-Chalmers Mfg Co
Century Elec Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co

GENERATORS, ULTRASONIC POWER

Gulton Industries
National Ultrasonic Corp
Raytheon Co

GLASS APPARATUS, GROUND

Fisher Scientific Co

Braun-Knecht-Heimann Co
Corning Glass Works
Kimble Glass Co
Podbielniak, Inc
Precision Distillation Apparatus Co
Scientific Glass Apparatus Co
Arthur F Smith, Inc

GLASS APPARATUS, SPECIAL

Braun-Knecht-Heimann Co
Chem Flow Corp
Continental Can Co, Flexible Packaging Div
Corning Glass Works
Fischer & Porter Co
Podbielniak, Inc
Precision Distillation Apparatus Co
Scientific Glass Apparatus Co
Arthur F Smith, Inc

GLASS, BONDED MICA

Haveg Industries

GLASS, FLAT, SHEET & PLATE

Corning Glass Works

GLASS, GROUND

Semon Bache & Co
Corning Glass Works

GLASS, HEAT ABSORBING

Bausch & Lomb Inc
Corning Glass Works

GLASS, HEAT RESISTING

Anchor Hocking Glass Corp
Bausch & Lomb Inc
Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Kenneth J Moore & Co

GLASS LABELING MACHINERY

MRM Co

GLASS, LABORATORY

Fisher Scientific Co
Standard Scientific Supply Corp

Armstrong Cork Co, Packaging Materials Div
Braun-Knecht-Heimann Co
Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Precision Distillation Apparatus Co
Scientific Glass Apparatus
Arthur F Smith, Inc

GLASS LINED EQUIPMENT

First Machy Corp

Bishopric Products Co
Pfaudler Co Div
A O Smith Corp

GLASS, NON-REFLECTING

Semon Bache & Co
Bausch & Lomb Inc

GLASS, REACTION VESSELS

First Machy Corp

Braun-Knecht-Heimann Co
Kimble Glass Co
Pfaudler Co Div
Scientific Glass Apparatus Co
A O Smith Corp

GLASS, REINFORCED LAMINATED

Du Verre, Inc

Carl H Beetle Plastics Corp
Heil Process Equipment Corp

GLASSES, GAUGE

Corning Glass Works
Fischer & Porter Co
Jerguson Gage & Valve Co
Lunkenheimer Co

GLASSES, SIGHT

American Optical Co
Semon Bache & Co
Corning Glass Works
Eimco Corp
Fischer & Porter Co
Jacoby-Tarbox Corp
Jerguson Gage & Valve Co
Kennedy Tank & Mfg Co
Kimble Glass Co
McIntire Co
Arthur F Smith, Inc
United States Safety Service Co

GLASSWARE, LABORATORY see Laboratory Glassware

GLOVES, IMPREGNATED FABRIC

►GOODALL RUBBER CO

Edmont Inc
Granet Corp
Pioneer Rubber Co
M L Snyder & Son

GLOVES, PLASTIC

Fisher Scientific Co
►GOODALL RUBBER CO

Edmont Inc
Granet Corp
Pioneer Rubber Co
M L Snyder & Son
Wilson Rubber Co

GLOVES, POLYETHYLENE

Fisher Scientific Co

Pioneer Rubber Co
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem

GLOVES, RUBBER

Fisher Scientific Co
►GOODALL RUBBER CO

Edmont Inc
Granet Corp
Pioneer Rubber Co
M L Snyder & Son
Wilson Rubber Co

GLUING MACHINERY

Gray Co
Kenneth J Moore & Co

GOGGLES, ACID & DUST-PROOF

Fisher Scientific Co
New Jersey Safety Equipment Co

American Optical Co
General Scientific Equipment Co
United States Safety Service Co
Willson Products Div

GOGGLES, CHEMICAL

American Optical Co
General Scientific Equipment Co
Bausch & Lomb Inc
United States Safety Service Co

GOGGLES, FURNACE, HEAT PROTECTIVE

American Optical Co
Bausch & Lomb Inc
General Scientific Equipment Co
United States Safety Service Co
Willson Products Div

GOGGLES, SAFETY

Fisher Scientific Co

American Optical Co
Bausch & Lomb Inc
General Scientific Equipment Co
National Cylinder Gas Div
United States Safety Service Co
Willson Products Div

GOGGLES, WELDING

►METAL & THERMIT CORP
New Jersey Safety Equipment Co

American Optical Co
Bausch & Lomb Inc
General Scientific Equipment Co
National Cylinder Gas Div
United States Safety Service Co
Willson Products Div

GOVERNORS, PUMP

Black, Sivalls & Bryson
Copes-Vulcan Div
Leslie Co
Mason-Neilan Div
Republic-Flow Meters Co

GRADUATES, STAINLESS STEEL

Terriss-Consolidated Industries

GRANULATORS

Bonnet Co
First Machy Corp
Pulva Corp

Abbe Engrg Co
Allied Steel Products Corp
Allis-Chalmers Mfg Co
American Pulverizer Co
Arthur Colton Co
General American Transportation Corp
B F Gump Co
S Howes Co
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Inc
Franklin P Miller & Son
Myers Sherman Co
Posey Iron Works
Prater Pulverizer Co
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach
F J Stokes Corp
Tri-Homo Corp

GRANULATORS, CRUSHER & MILL

Bonnet Co
First Machy Corp
Pulva Corp

Abbe Engrg Co
Allied Steel Products Corp
Allis-Chalmers Mfg Co
American Pulverizer Co
Denver Equipment Co
Entoleter, Inc
Gruendler Crusher & Pulverizer Co
Hardinge Co
Franklin P Miller & Son
Nordberg Mfg Co
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
F L Smidth & Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Tri-Homo Corp
Young Machy Co

GRINDERS, MICRON

Pulva Corp

Abbe Engrg Co
C W Brabender Instruments
Chemicolloid Labs
Entoleter, Inc
General American Transportation Corp
Hardinge Co
Kinetic Dispersion Corp
Majac, Inc
Franklin P Miller & Son
Pulverizing Machy Div
Southwestern Engrg Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Tri-Homo Corp

GRINDERS, MILL

Paul O Abbe Inc
J H Day Co Div
Fisher Scientific Co
Pulva Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
C W Brabender Instruments
Carborundum Co
Denver Equipment Co
Entoleter, Inc
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
S Howes Co
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Franklin P Miller & Son
Myers Sherman Co
Nordberg Mfg Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
F L Smidth & Co
Southwestern Engrg Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Tri-Homo Corp
United States Stoneware Co
Williams Patent Crusher & Pulverizer Co
Young Machy Co

GRINDING & BUFFING EQUIPMENT

Airetool Mfg Co
American Instrument Co
Cleco Air Tools Div
Gardner-Denver Co
Ingersoll-Rand Co
Norton Co
Raytheon Co
Southwestern Engrg Co
Thomas C Wilson

GRINDING & DRYING CLASSIFYING SYSTEMS

Abbe Engrg Co
Allied Steel Products Corp
Combustion Engrg, Raymond Div
Denver Equipment Co
General American Transportation Corp
Gruendler Crusher & Pulverizer Co
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Majac, Inc
Franklin P Miller & Son
Pulverizing Machy Div
Edw Renneburg & Sons Co
Sharples Corp
F L Smidth & Co
Southwestern Engrg Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Strong-Scott Mfg Co
Williams Patent Crusher & Pulverizer Co



GRIZZLIES

Boardman Co
Chain Belt Co
Davis Foundry & Mach Works
Denver Equipment Co
Gruendler Crusher & Pulverizer Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co
Kennedy Van Saun Mfg & Engrg Corp
Manufacturers Equipment Co
Franklin P Miller & Son
Nordberg Mfg Co
Edw Renneburg & Sons Co
Syntron Co
W S Tyler Co

GUARDS, MACHINERY

New Jersey Safety Equipment Co

Carl N Beetle Plastics Corp
Falstrom Co
General Metals Co
Hodgson Engrg & Mfg Co
Kirk & Blum Mfg Co
Edw Renneburg & Sons Co
Traylor Engrg & Mfg Div
W S Tyler Co

GUNS, LUBRICATING

Gray Co
Lincoln Engrg Co

H

HAND CREAMS, PROTECTIVE

New Jersey Safety Equipment Co

American Optical Co
A E Halperin Co
Torsion Balance Co

HARDNESS TESTERS

Fisher Scientific Co

Advance Industries
C W Brabender Instruments
Bausch & Lomb Inc
Culligan, Inc
Kutlit Labs
Mast Development Co
Pacific Transducer Corp
Simpson Elec, Size Control
F J Stokes Corp
Torsion Balance Co
Wilson Mechanical Instruments Co

HATS & CAPS, PROTECTIVE

►JOHNS-MANVILLE
New Jersey Safety Equipment Co

American Optical Co
Mine Safety Appliances
National Cylinder Gas Div
Strong, Carlisle & Hammond
M L Snyder & Son
United States Safety Service Co
Vulcan Containers

HEADS, BARREL, STEEL

General Motors Inc

HEADS, BOILER & TANK

►HENRY VOGT MACH CO

Allied Steel Products Corp
Bethlehem Steel Co
Brighton Corp
General Metals Inc
E Keeler Co
Lukens Steel Co
Trinity Steel Co

HEADS, SAFETY

Black, Sivalls & Bryson
Falls Industries
General Metals Inc

HEAT EXCHANGERS

►METAL & THERMIT CORP
Niagara Blower Co
►HENRY VOGT MACH CO

Acme Industries
Alco Products
Allied Steel Products Corp
American Heat Reclaiming Corp
American Water Softener Co
R M Armstrong Co
Artisan Metal Products
Badger Mfg Co
Bethlehem Steel Co
Brighton Corp
Brown Fintube Co
Buxton Mfg Co
Carbone Corp
Carrier Corp
Cochrane Div
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Corning Glass Works
Crucible Steel Co of America
DeLaval Separator Co
Dorr-Oliver Inc
Downingtown Iron Works
Duriron Co
Elmco Corp
Engineering Controls
Esco Corp
Falls Industries
Flint Steel Corp

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General Motors Corp
Girdler Process Equipment Div
Goslin-Birmingham Mfg Co
Graham Mfg Co, Heliflow Corp
Haveg Industries
Heatron, Inc
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
Infilco Inc
International Boiler Works Co
Leader Iron Works
Marley Co
National Carbon Co
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Rietz Mfg Co
St Regis Paper Co
Fred H Schaub Engrg Co
Schutte & Koerting Co
Ernest Scott & Co
A O Smith Corp
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Swenson Evaporator Co
Thermal Research & Engrg Corp
Trane Co
Tranter Mfg, Inc
Trinity Steel Co
Vic Mfg Co
Vilter Mfg Co
Vulcan Mfg
Walker Process Equipment
Western Supply Co
C H Wheeler Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div
Young Radiator Co

HEAT RECOVERY SYSTEMS

Allied Steel Products Corp
Combustion Engrg
Delta Tank Mfg Co
DeLaval Separator Co
Electro Chem Engrg & Mfg Co
Engineering Controls
Falls Industries
Farris Engrg Corp
Foster Wheeler Corp
Goslin-Birmingham Mfg Co
Kirk & Blum Mfg Co
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Edw Renneburg & Sons Co
Swenson Evaporator Co
Trane Co
Tranter Mfg, Inc
Whitlock Mfg Co

HEAT SEALING MACHINES

MRM Co
Protective Lining Corp
Reeve Electronics
Wabash Metal Products Co

HEAT TRANSFER APPARATUS

D J Murray Mfg Co
Niagara Blower Co

Acme Industries
Alco Products
Allied Steel Products Corp
R M Armstrong Co
Artisan Metal Products
Badger Mfg Co
Beckman & Whitley
Bell & Gossett Co
Brown Fintube Co
Buflovak Equipment Div
Buxton Mfg Co
Carbone Corp
Carrier Corp
Condenser Service & Engrg Co
Matt Corcoran Co
Croll-Reynolds Engrg Co
DeLaval Separator Co
Despatch Oven Co
Downingtown Iron Works
Engineering Controls
Esco Corp
Falls Industries
Foster Wheeler Corp
Goslin-Birmingham Mfg Co
Griscom-Russell Co
Graham Mfg Co, Heliflow Corp
Heatron, Inc
Industrial Process Engrs
Leader Iron Works
MSA Research Corp
National Carbon Co
Old Dominion Iron & Steel Corp
Parks-Cramer Co
Patterson-Kelley Co
Edw Renneburg & Sons Co
Rodney Hunt Mach Co
Schutte & Koerting Co
Southwestern Engrg Co
Swenson Evaporator Co
Trane Co
Tranter Mfg, Inc
Trinity Steel Co
Vilter Mfg Co
Vulcan Mfg
C H Wheeler Mfg Co
Young Radiator Co

HEATERS, AIR & GAS

American Air Filter Co
R M Armstrong Co
Black, Sivalls & Bryson
Brown Fintube Co
Buffalo Forge Co
Dean Products, Inc
Delta Tank Mfg Co
Despatch Oven Co
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
E Keeler Co
M W Kellogg Co
R C Mahon Co
National Carbon Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Posey Iron Works
Pyronics, Inc
Radcor, Inc
Edw Renneburg & Sons Co
Submerged Combustion
Thermal Research & Engrg Corp
Todd Shipyards Corp
Trane Co
Whitlock Mfg Co
Edwin L Wiegand Co
Young Radiator Co

HEATERS, BLAST

D J Murray Mfg Co

Brown Fintube Co
Trane Co
Waage Elec Inc
Edwin L Wiegand Co

HEATERS, CARTRIDGE

General Elec Co, Apparatus Sales Div
Waage Elec Inc
Edwin L Wiegand Co

HEATERS, CIRCULATION

Carrier Corp
Despatch Oven Co
Industrial Process Engrs
International Boiler Works Co
Nooter Corp
Patterson-Kelley Co
Union Iron Works
Waage Elec Inc
Edwin L Wiegand Co

HEATERS, DEAERATING

L-A Water Conditioning Inc

American Water Softener Co
Cleaver-Brooks Co
Cochrane Div
Condenser Service & Engrg Co
Croll-Reynolds Engr Co
Downingtown Iron Works
Elgin Softener Corp
Nooter Corp
Graham Mfg Co, Heliflow Corp
Graver Water Conditioning Co
Patterson-Kelley Co
Permutit Co
Rodney Hunt Mach Co
Southwestern Engrg Co
Whitlock Mfg Co

HEATERS, DISTILLED WATER

R P Adams Co
Buxton Mfg Co
Condenser Service & Engrg Co
Electric Hotpack Co
Griscom-Russell Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co

HEATERS, ELECTRIC

Philip Carey Mfg Co
Standard Scientific Supply Corp

American Air Filter Co
Carrier Corp
Corning Glass Works
Corona Mfg Co
Cox & Co
Cutler-Hammer Inc
Despatch Oven Co
Electric Hotpack Co
Fostoria Corp
General Elec Co, Apparatus Sales Div
Glo-Quartz Elec Heater Co
Heatron, Inc
Hynes Elec Heating Co
Waage Elec Inc
Edwin L Wiegand Co
L J Wing Mfg Co

HEATERS, ELECTRONIC

Reeve Electronics

HEATERS, FAR-INFRARED

Corning Glass Works
Corona Mfg Co
Electric Hotpack Co
Glo-Quartz Elec Heater Co
Pyronics, Inc
Trans-Lite, Inc
Edwin L Wiegand Co

HEATERS, FEED WATER

L-A Water Conditioning Inc

R P Adams Co
Alco Products
R M Armstrong Co
Brown Fintube Co
Buxton Mfg Co
Cochrane Div
Downingtown Iron Works
Elgin Softener Corp
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
M W Kellogg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson-Kelley Co
Permutit Co
Fred H Schaub Engrg Co
Schutte & Koerting Co
A O Smith Corp
Southwestern Engrg Co
Struthers Wells Corp
Whitlock Mfg Co

HEATERS, FLAT TUBE

Nooter Corp
Young Radiator Co

HEATERS, GAS-FIRED

Black, Sivalls & Bryson
Brown Fintube Co
Carrier Corp
Combustion Engrg
Condenser Service & Engrg Co
Delta Tank Mfg Co
Despatch Oven Co
Dravo Corp
Eclipse Fuel Engrg Co, Combustion Div
Grinnell Co
Heil Process Equipment Corp
International Boiler Works
M W Kellogg Co
Patterson-Kelley Co
Pyronics, Inc
Edw Renneburg & Sons Co
Selas Corp of America
Submerged Combustion
Surface Combustion Div
Thermal Research & Engrg Corp
Todd Shipyards Corp
Trane Co
Western Precipitation Div
L J Wing Mfg Co
Young Radiator Co

HEATERS, GRADIATION

Selas Corp of America

HEATERS, IMMERSION

Fisher Scientific Co

Ampco Metal
Brown Fintube Co
Bryant Industrial Products
Cutler-Hammer Inc
Falls Industries
General Elec Co, Apparatus Sales Div
Glo-Quartz Elec Heater Co
Heil Process Equipment Corp
National Carbon Co
Old Dominion Iron & Steel
Patterson-Kelley Co
Pfaudler Co Div
Pyronics, Inc
Selas Corp of America
Sel-Rex Corp
Submerged Combustion
Thermal American Fused Quartz
Tranter Mfg, Inc
Waage Elec Inc
Edwin L Wiegand Co

HEATERS, INDUCTION

General Elec Co, Apparatus Sales Div
Graver Tank & Mfg Co
Reeve Electronics
Edwin L Wiegand Co

HEATERS, LIQUID

R P Adams Co
R M Armstrong Co
Cutler-Hammer Inc
Delta Tank Mfg Co
Downingtown Iron Works
Foster Wheeler Corp
General Elec Co, Apparatus Sales Div
Glo-Quartz Elec Heater Co
Griscom-Russell Co
International Boiler Works Co
Johnson Corp
M W Kellogg Co
Nooter Corp
Old Dominion Iron & Steel Corp
Pyronics, Inc
Schutte & Koerting Co
Submerged Combustion
Tranter Mfg, Inc
Union Iron Works
Vic Mfg Co
Waage Elec Inc
Western Precipitation Div
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, MOLTEN SALT

R P Adams Co
Delta Tank Mfg Co
J P Devine Mfg Co
General Elec Co, Apparatus Sales Div
Graham Mfg Co, Heliflow Corp
International Boiler Works
MW Kellogg Co
Nooter Corp
Struthers Wells Corp
Thermolyne Corp
Waage Elec Inc
Western Precipitation Div
Edwin L Wiegand Co

HEATERS, OIL

►**HENRY VOGT MACH CO**

R P Adams Co
Brown Fintube Co
Buxton Mfg Co
Condenser Service & Engrg Co
Dean Products, Inc
Delta Tank Mfg Co
Downingtown Iron Works
Dravo Corp
Foster Wheeler Corp
Glo-Quartz Elec Heater Co
Graham Mfg Co, Heliflow Corp
International Boiler Works Co
M W Kellogg Co
National Airoil Burner Co
Old Dominion Iron & Steel Corp
Schutte & Koerting Co
Arthur F Smith, Inc
Thermal Research & Engrg Corp
Todd Shipyards Corp
Trane Co
Tranter Mfg, Inc
Union Iron Works
Waage Elec Inc
Western Precipitation Div
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, OVEN

Fisher Scientific Co

Brooklyn Blower & Pipe
Corona Mfg Corp
Despatch Oven Co
Electric Hotpack Co
General Elec Co, Apparatus Sales Div
Glo-Quartz Elec Heater Co
R C Mahon Co
Pyronics, Inc
Selas Corp of America
Edwin L Wiegand Co

HEATERS, SCREEN

Link-Belt Co
W S Tyler Co

HEATERS, STRIP

Condenser Service & Engrg Co
Cutler-Hammer Inc
Pyronics, Inc
General Elec Co, Apparatus Sales Div
Waage Elec Inc
Edwin L Wiegand Co

HEATERS, TANK CAR

R P Adams Co
Bros, Inc
Brown Fintube Co
Cleaver-Brooks Co
Dean Products Inc
General American Transportation Corp
Graham Mfg Co, Heliflow Corp
M W Kellogg Co
Tranter Mfg, Inc
Vapor Heating Corp
Edwin L Wiegand Co

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HEATERS, UNIT

D J Murray Mfg Co
Niagara Blower Co

American Air Filter Co
Buffalo Forge Co
Carrier Corp
Clarage Fan Co
Cutler-Hammer Inc
Dravo Corp
Grinnell Co
General Elec Co, Apparatus Sales Div
Trane Co
Edwin L Wiegand Co
L J Wing Mfg Co
Young Radiator Co

HEATING SYSTEM, AIR

D J Murray Mfg Co
Niagara Blower Co

American Air Filter Co
Central Steel & Tank Co
Crane Co
Despatch Oven Co
Patterson-Kelley Co
Pyronics, Inc
Edw Renneburg & Sons Co
Surface Combustion Div
Trane Co
Edwin L Wiegand Co
York Corp

HEATING SYSTEMS, DOWTHERM

R P Adams Co
Artisan Metal Products
Buflovak Equipment Div
Eclipse Fuel Engrg Co, Boiler Div
Foster Wheeler Corp
Hynes Elec Heating Co
Industrial Process Engrs
International Boiler Works Co
Nooter Corp
Struthers Wells Corp
Union Iron Works
Western Precipitation Div
Edwin L Wiegand Co

HEATING SYSTEMS, HOT OIL

Artisan Metal Products
Baker Perkins Bros, Inc
J P Devine Mfg Co
Engineer Co
General Controls Co
Hynes Elec Heating Co
Industrial Process Engrs
International Boiler Works
National Airoil Burner Co
Parks-Cramer Co
Schutte & Koerting Co
Struthers Wells Corp
Thermal Research & Engrg Corp
Union Iron Works
Vapor Heating Corp
Western Precipitation Div
Edwin L Wiegand Co

HEATING SYSTEMS, HOT WATER

American Air Filter Co
Baker Perkins
Bell & Gossett Co
Boardman Co
Bros, Inc
Combustion Engrg
Crane Co
J P Devine Mfg Co
General Controls Co
International Boiler Works Co
Patterson-Kelley Co
Fred H Schaub Engrg Co
Submerged Combustion
Trane Co
Union Iron Works
Western Precipitation Div
Edwin L Wiegand Co

HELMETS, SAFETY

New Jersey Safety Equipment Co

American Optical Co
Willson Products Div

HOIST HOOKS, SAFETY

New Jersey Safety Equipment Co

Bethlehem Steel Co
Yale & Towne Mfg Co

HOISTS, ELECTRIC

Beaumont Birch Co
Detroit Hoist & Mach Co
Electro Lift, Inc
Ingersoll-Rand Co
Joy Mfg Co
Nordberg Mfg Co
Robbins & Myers, Hoist & Crane Div
Stearns-Roger Mfg Co
Uhrden, Inc
Wright Hoist Div
Yale & Towne Mfg Co

HOMOGENIZERS

Barrington Industries, Inc
J H Day Co Div
First Machy Corp
Fisher Scientific Co

Abbe Engrg Co
Allied Steel Products Corp
Chemicolloid Labs
Gifford-Wood Co
C W Logeman Co
Manton-Gaulin Mfg Co
St Regis Paper Co
Tri-Homo Corp

HOODS, LABORATORY

Fisher Scientific Co

Browne-Morse Co
Colonial Plastics Mfg Co
Kewaunee Mfg Co
Kirk & Blum Mfg Co
Knapp Mills Inc
Laboratory Furniture Co
Terriss-Consolidated Industries

HOPPERS

J H Day Co Div

Allied Steel Products Corp
Barber-Greene Co
Carl N Beetle Plastics Corp
Bethlehem Steel Co
Boardman Co
Carrier Div
Continental Boiler & Sheet Iron Works
Day Co
Denver Equipment Co
General American Transportation Corp
Gifford-Wood Co
Infilco Inc
E Keeler Co
Kirk & Blum Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Inc
Nooter Corp
Joseph Oat & Sons
Pettibone Mulliken Corp
Pittsburgh-Des Moines Steel Co
Posey Iron Works
W S Rockwell Co
Sprout, Waldron & Co
Stover Co
Terriss-Consolidated Industries
Todd Shipyards Corp

HOPPERS, AUTOMATIC WEIGHING

Union Bag-Camp Paper Corp

Boardman Co
Link-Belt Co
Richardson Scale Co
Sprout, Waldron & Co
Weighing & Controls Inc

HOSE, ACID-RESISTING

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
American Hard Rubber Co
Anaconda Metal Hose Div
Flexible Tubing Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co
Gray Co
Hewitt-Robins
Mercer Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Rubber Div
Resistoflex Corp
United States Rubber Co

HOSE, AIR

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
Airetool Mfg Co
American Biltrite Rubber Co
Anaconda Metal Hose Div
Chicago Pneumatic Tool Co
Cincinnati Rubber Mfg Co
Cleveland Air Tools Div
Connecticut Hard Rubber Co
Eimco Corp
Electric Hose & Rubber Co
Flexaust Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Gray Co
Hewitt-Robins
Imperial-Eastman Corp
Lincoln Engrg Co
Mercer Rubber Co
Packless Metal Hose
Parker Fittings & Hose Div
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Rubber Div
Resistoflex Corp
Roberts Toledo Rubber Co
Schramm, Inc
Thermoid Co
United States Rubber Co

HOSE, FIRE

►GOODALL RUBBER CO

American Biltrite Rubber Co
American LaFrance Div
Cincinnati Rubber Mfg Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Hewitt-Robins
Mercer Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

HOSE, GREASE

►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda Metal Hose Div
Cincinnati Rubber Mfg Co
Electric Hose & Rubber Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Gray Co
Hewitt-Robins
Lincoln Engrg Co
Mercer Rubber Co
Packless Metal Hose
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

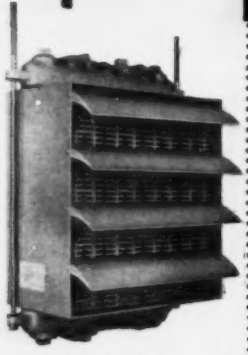
HOSE, HIGH PRESSURE

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda American Brass Co
Anaconda Metal Hose Div
Electric Hose & Rubber Co
Flexonics Div
Gates Rubber Co
B F Goodrich Industrial Prod Co
Gray Co
Hewitt-Robins
Imperial-Eastman Corp
Mercer Rubber Co
Packless Metal Hose
Parker Fittings & Hose Div
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Thermoid Co
Resistoflex Corp
United States Rubber Co

THE INDUSTRY'S leading plants depend ON GRID

UNIT HEATERS
BLAST HEATERS
RADIATORS



for a trouble-free, low maintenance cost heating system - One that will serve without service - Installations made in 1929 are still operating without need for repairs. GRID'S design and construction makes the difference!

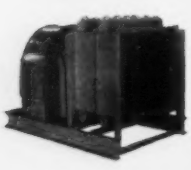
GRID Cast Iron Construction resists corrosion externally from acid fumes and internally from electrolysis. No leaking from rotted cores.

GRID one-piece cast iron heating sections and headers are leak-proof on steam pressure up to 250 p.s.i. 450° temperature. Smaller steam lines cost less.

GRID heating sections with widely spaced fins cast integral with steam chambers are easy to clean - Will not "mat" on air intake side.

GRID design develops low outlet temperatures and, with proper fan volumes, delivers warm, comfortable air to floor - No wasted heat at ceiling.

BLAST HEATERS



Shown In Fan Assembly



Get complete information on a GRID System for your plant. Write for catalog #956 GRID CAST IRON STEAM HEAT TRANSFER SURFACE.

REPRESENTATIVES IN ALL PRINCIPAL CITIES

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HOSE, METAL CORRUGATED

Allied Metal Hose Co

Anaconda American Brass Co
Anaconda Metal Hose Div
Flexonics Div
Packless Metal Hose
Polymer Corp
Universal Metal Hose Co
Zallea Bros

HOSE, METAL, FLEXIBLE

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
Airetool Mfg Co
Anaconda American Brass Co
Anaconda Metal Hose Div
Connecticut Hard Rubber Co
Flexonics Div
Packless Metal Hose
Parks-Cramer Co
Raybestos-Manhattan
United States Rubber Co
Zallea Bros

HOSE, OIL & GASOLINE

►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda Metal Hose Div
Electric Hose & Rubber Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Hauch Mfg Co
Hewitt-Robins
Imperial-Eastman Corp
Mercer Rubber Co
Packless Metal Hose
Parker Fittings & Hose Div
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Resistoflex Corp
United States Rubber Co

HOSE, OXYACETYLENE

►GOODALL RUBBER CO

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Cincinnati Rubber Mfg Co
Electric Hose & Rubber Co
B F Goodrich Industrial Prod Co
Hewitt-Robins
Linde Co
Mercer Rubber Co
Packless Metal Hose
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

HOSE, PETROLEUM SOLVENT

►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda Metal Hose Div
Electric Hose & Rubber Co
B F Goodrich Industrial Prod Co
Gray Co
Hewitt-Robins
Imperial-Eastman Corp
Mercer Rubber Co
Packless Metal Hose
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Resistoflex Corp
United States Rubber Co

HOSE, PLASTIC

American Biltrite Rubber Co
Anaconda Metal Hose Div
Chemical & Power Products
Flexible Tubing Corp
Gering Plastics Div
B F Goodrich Industrial Prod Co
Gray Co
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Rubber Div
Resistoflex Corp
United States Stoneware Co

HOSE, SAND BLAST

►GOODALL RUBBER CO

American Biltrite Rubber Co
Anaconda Metal Hose Div
Cincinnati Rubber Mfg Co
B F Goodrich Industrial Prod Co
Gates Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

HOSE, STEAM

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda Metal Hose Div
Cincinnati Rubber Mfg Co
Connecticut Hard Rubber Co
Electric Hose & Rubber Co
Flexonics Div
Gates Rubber Co
B F Goodrich Industrial Prod Co
Mercer Rubber Co
Packless Metal Hose
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Resistoflex Corp
United States Rubber Co

HOSE, STEAM DRIVEN

►GOODALL RUBBER CO

American Biltrite Rubber Co
Anaconda Metal Hose Div
United States Rubber Co
B F Goodrich Industrial Prod Co
Raybestos-Manhattan

HOSE, VACUUM, FLEXIBLE

Allied Metal Hose Co
►GOODALL RUBBER CO

Aeroquip Corp
American Biltrite Rubber Co
Anaconda American Brass Co
Anaconda Metal Hose Div
Cincinnati Rubber Mfg Co
Connecticut Hard Rubber Co
Flexaust Co
Flexonics Div
Gates Rubber Co
B F Goodrich Industrial Prod Co
Mercer Rubber Co
Packless Metal Hose
Polymer Corp
Raybestos-Manhattan
Republic Rubber Div
Roberts Toledo Rubber Co
United States Rubber Co

HOT PLATES, ELECTRIC

Fisher Scientific Co

Hevi-Duty Elec Co
Soiltest, Inc
Thermolyne Corp
Edwin L Wiegand Co

HOT PLATES, GAS

Fisher Scientific Co

HUMIDIFYING APPARATUS

Niagara Blower Co
Spraying Systems Co

Carrier Corp
Clarage Fan Co
Electric Hotpack Co
Johnson Service Co
Parks-Cramer Co
Rotherm Engrg Co
Selas Corp of America

HYDRATORS, LIME

Kennedy Van Saun Mfg & Engrg Corp
Hardinge Co
Wallace & Tiernan Inc

HYDROCLASSIFIERS

Heyl & Patterson, Inc

COMCO Corp
Denver Equipment Co
Walker Process Equipment
Hardinge Co
Wemco Div, Western Machy Co

HYDROGENATION APPARATUS, LABORATORY

Electric Hotpack Co
Industrial Process Engrs
Parr Instrument Co
T Shriver & Co
Wurster & Sanger

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Moeller Instrument Co
Weksler Instruments Corp
Precision Thermometer & Instrument Co

HYGROMETERS

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Bristol Co
Cambridge Instrument Co
Moeller Instrument Co
Parks-Cramer Co
Phys-Chemical Research Corp
Precision Thermometer & Instrument Co
Weksler Instruments Corp

I

INCUBATORS

H Reeve Angel & Co
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Standard Scientific Supply Corp

Electric Hotpack Co

INDICATORS, BIN LEVEL

►FULLER CO

Aerotec Industries
Bin-Dicator Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hanna Engrg Works
Jeffrey Mfg Co
Richardson Scale Co
Stephens-Adamson Mfg Co
Syntron Co

INDICATORS, DEWPOINT

American Instrument Co
Desomatic Products
Foxboro Co
Kahn & Co
Phys-Chemical Research Corp
Thermo Elec Co
Weighing & Controls Inc

INDICATORS, DRY MATERIAL LEVEL

►FULLER CO

Aerotec Industries
Bin-Dicator Co
General Controls Co
General Elec Co, Apparatus Sales Div
Fischer & Porter Co
Hanna Engrg Works
Jeffrey Mfg Co
Richardson Scale Co
Syntron Co
Wheaton Brass Works

INDICATORS, ELECTRONIC LEVEL

Bowmar Instrument Corp
Fischer & Porter Co
General Controls Co
Gulton Industries
Pyrometer Co of America
Stearns-Roger Mfg Co
Victory Engrg Corp

INDICATORS & CONTROLS, LIQUID LEVEL

Magnetrol, Inc
Charles F Warrick Co

American-Standard Controls Div
BIF Industries
Bailey Meter Co
Bin-Dicator Co
Bristol Co
Brooks Instrument Co
Buffalo Meter Co
Conoflow Corp
Consolidated Vacuum Corp
Cutler-Hammer Inc
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Hanna Engrg Works
Infilco Inc
Jerguson Gage & Valve Co
Leeds & Northrup Co
Liquidometer Corp
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Milton Roy Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Precision Thermometer & Instrument Co
H A Phillips & Co
Republic Flow Meters Co
Richardson Scale Co
Thermo Elec Co
United Elec Controls Co
United States Gauge Div
Vapor Recovery Systems Co
Victory Engrg Corp
Wallace & Tiernan Inc
Wheaton Brass Works
Yarnall-Waring Co
Yeomans Bros Co

INDICATORS, LIQUID FLOW

Bailey Meter Co
BIF Industries
Bristol Co
Brooks Instrument Co
Eclipse Fuel Engrg Co, Boiler Div
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Infilco Inc
Jacoby-Tarbox Corp
Jerguson Gage & Valve Co
Kahn & Co
King Engrg Corp
Leeds & Northrup Co
McIntire Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
Potter Aeronautical Corp
Republic Flow Meters Co
Schutte & Koerting Co
Thermo Elec Co
United Elec Controls Co
United States Gauge Div
Victory Engrg Corp
Wallace & Tiernan Inc

INDICATORS, pH

Fisher Scientific Co

Analytical Measurements
BIF Industries
Bailey Meter Co
Bristol Co
Cambridge Instrument Co
Culligan, Inc
Foxboro Co
Jordan Corp
LaMotte Chem Products Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Sel-Rex Corp
W A Taylor & Co
Thermo Elec Co

INDICATORS, PLUGGING

Bin-Dicator Co
Bristol Co
Dynamic Filters Inc
MSA Research Corp
Thomas A Edison Industries
Weksler Instrument Corp

INDICATORS, PRESSURE

American-Standard Controls Div
BIF Industries
Bailey Meter Co
Dynamic Filters Inc
Thomas A Edison Industries
Ellison Draft Gage Co
Foxboro Co
General Elec Co, Apparatus Sales Div
General Controls Co
Gulton Industries
Hastings-Raydist
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Pall Corp
Republic Flow Meters Co
Scott Aviation Corp
Thermo Elec Co
United States Gauge Div
Wallace & Tiernan Inc
West Instrument Corp

INDICATORS, SELF BALANCING

Bristol Co
Dynamic Filters Inc
Fischer & Porter Co
Gulton Industries
Liquidometer Corp
Minneapolis-Honeywell, Industrial Products
Thermo Elec Co

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INDICATORS, SIGHT FLOW

Airetool Mfg Co
Brooks Instrument Co
Fischer & Porter Co
General Controls Co
General Elec Co, Apparatus Sales Div
Grinnell Co
Industrial Process Engrs
Jacoby-Tarbox Corp
Jerguson Gage & Valve Co
Lunkenheimer Co
McIntire Co
Potter Aeronautical Corp
Schutte & Koerting Co
Wurster & Sanger

INDICATORS, SPECIFIC GRAVITY

Fisher Scientific Co

Brooks Instrument Co
Fischer & Porter Co
Foxboro Co
King Engrg Corp
Liquidometer Corp
Precision Thermometer & Instrument Co
Schutte & Koerting Co
Thermo Elec Co

INDICATORS, TEMPERATURE

Fisher Scientific Co
New Jersey Safety Equipment Co

American Instrument Co
American-Standard Controls Div
BIF Industries
Bailey Meter Co
Beckman & Whitley
Bristol Co
Thomas A Edison Industries
Electric Autolite Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Emil Greiner Co
Johnson Service Co
Kahn & Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Partlow Corp
Pyrometer Instrument Co
Republic Flow Meters Co
Simpson Elec Co
Tempil Corp
Thermo Elec Co
Thermolyne Corp
United States Gauge Div
Victory Engrg Corp
Weksler Instruments Corp
West Instrument Corp

INDICATORS, VERTICAL SCALE

Bailey Meter Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
Jerguson Gage & Valve Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co
Yarnall-Waring Co

INFORMATION SYSTEMS

Bailey Meter Co
Bowmar Instrument Corp
Ferranti Elec Inc
Fischer & Porter Co
Leeds & Northrup Co

INK MIXING MACHINERY

J H Day Co Div
First Machy Corp

Abbe Engrg Co
Chemicolloid Labs
Chemineer Inc
Gifford-Wood Co
Kinetic Dispersion Corp
Mason-Neilan Div
Franklin P Miller & Son
Mixing Equipment Co
Patterson Foundry & Mach Co
Charles Ross & Son Co
Star Tank & Filter Corp

INHALATORS

Mine Safety Appliances
Scott Aviation Corp

INSPECTION, ULTRASONIC

Permacel
Sperry Products
Simpson Elec, Size Control

INSULATING MATERIALS, ELECTRIC

Dow Chem Co
►JOHNS-MANVILLE

Bacon Industries
Chase & Sons, Inc
Connecticut Hard Rubber Co
Norton Co
Permacel
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Star Porcelain Co

INSULATING MATERIALS, HEAT

Philip Carey Mfg Co
Dow Chem Co
Great Lakes Carbon Corp, Dicalite Dept
►JOHNS-MANVILLE

Bacon Industries
Baldwin-Ehret-Hill
Connecticut Hard Rubber Co
Consolidated Electrodynamics
Eagle-Picher Co
A P Green Fire Brick Co
Haveg Industries
Hylag Products Corp
Kaiser Refractories & Chems Div
Keasbey & Mattison Co
Metal Textile Corp
Norton Co
Pall Corp
Plibrico Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan

INSULATION, BLOCK

Philip Carey Mfg Co
►JOHNS-MANVILLE

Baldwin-Ehret-Hill
Eagle-Picher Co
A P Green Fire Brick Co
Keasbey & Mattison Co
Pittsburgh Corning Corp

INSULATION, GLASS

►JOHNS-MANVILLE

Baldwin-Ehret-Hill
Eagle-Picher Co
Pall Corp
Pittsburgh Corning Corp

INSULATION, HEAT

Philip Carey Mfg Co
►JOHNS-MANVILLE

Baldwin-Ehret-Hill
Kaiser Refractories & Chems Div
Pall Corp
Plibrico Co
Pittsburgh Corning Corp

INSULATION, MAGNESIA

Philip Carey Mfg Co
►JOHNS-MANVILLE

Baldwin-Ehret-Hill
Eagle-Picher Co
Norton Co

INSULATION, MINERAL WOOL

Philip Carey Mfg Co
►JOHNS-MANVILLE

Babcock & Wilcox Co, Refractories Div
Baldwin-Ehret-Hill
Eagle-Picher Co
A P Green Fire Brick Co

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Baldwin-Ehret-Hill
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M M M Inc
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H K Porter Co, Thermoid Div

INSULATION, POLYURETHANE

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M M M Inc
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Bristol Co
Brooks Instrument Co
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Bio-Rad Labs
Chem-Pure Service Co
Cochrane Div
Culligan Inc
Dorr-Oliver Inc
Elgin Softener Corp
General American Transportation Corp
Gifford-Wood Co
Graver Water Conditioning Co
Illinois Water Treatment
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Infilco Inc
Kutlir Labs
Ogden Filter Co
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Johnson Corp
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JOINTS, SWING

Aeroquip Corp, Marman Div
Chiksan Co
Lunkenheimer Co
OPW-Jordan
Wm Powell Co
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JOINTS, SWIVEL

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Buflovak Equipment Div
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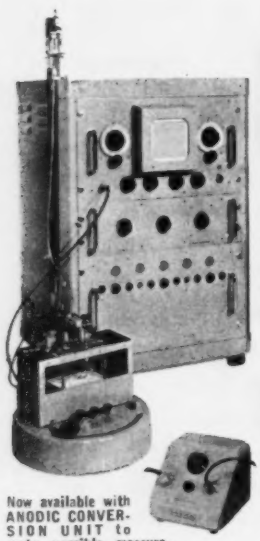
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Mercer Rubber Co
Nooter Corp
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Rockwell Mfg Co
Stewart-Warner Corp, Alemite Div

LUBRICATING SYSTEMS, CENTRAL

Dravo Corp
Engineer Co
Farval Div
Gray Co
Hannifin Co
Lincoln Engrg Co
Manzel Unit
Stewart-Warner Corp, Alemite Div

LUBRICATING SYSTEMS, ELECTRIC

Farval Div
Gray Co
Lincoln Engrg Co
Manzel Unit
Stewart-Warner Corp, Alemite Div

LUBRICATING SYSTEMS, HAND OPERATED

Farval Div
Gray Co
Hills-McCanna
Lincoln Engrg Co
Lunkenheimer Co
Stewart-Warner Corp, Alemite Div

LUBRICATING SYSTEMS, HYDRAULIC

Farval Div
Gray Co
Lincoln Engrg Co
Manzell Unit

LUBRICATING SYSTEMS, VACUUM

Lincoln Engrg Co

M

MAGNETS

Crucible Steel Co of America
Eriez Mfg Co
Hoskins Mfg Co
Prater Pulverizer Co

MAINTENANCE OF INSTRUMENTS

Cutler-Hammer Inc
Leeds & Northrup Co
Simpson Elec Co

MANHOLES

Bethlehem Steel Co
Bishopric Products Co
Edw Renneburg & Sons Co
Star Tank & Filter Corp
Vapor Recovery Systems Co
Wyatt Metal & Boiler Works Div

MANOMETERS

Fisher Scientific Co

BIF Industries
Consolidated Electrodynamics
Corning Glass Works
Eclipse Fuel Engrg Co, Combustion Div
Fischer & Porter Co
Foxboro Co
General Controls Co
Infilco, Inc
King Engrg Corp
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co
Scientific Glass Apparatus Co
Vapor Recovery Systems Co
Victory Engrg Corp
Wallace & Tiernan Inc
Weksler Instruments Corp

MANOMETERS, U-TYPE

New Jersey Safety Equipment Co

BIF Industries
Eberbach Corp
Eclipse Fuel Engrg Co, Combustion Div
Ellison Draft Gage Co
Foxboro Co
General Controls Co
King Engrg Corp
Manning, Maxwell & Moore, Inc
National Instrument Labs Inc
Republic Flow Meters Co
Scientific Glass Apparatus
Wallace & Tiernan Inc

MANOSTATS

Moore Products Co
Wallace & Tiernan Inc

MASKS—DUST, FUME, GAS, SMOKE

New Jersey Safety Equipment Co

Acme Protection Equipment Co
Elberta Crate & Box Co
General Scientific Equipment Co
A E Halperin Co
Martindale Elec Co
Mine Safety Appliances
Scott Aviation Corp
Willson Products Div

MATERIALS HANDLING EQUIPMENT

►FULLER CO
Heyl & Patterson, Inc

Allen-Sherman-Hoff Co
Allied Steel & Conveyors Div
Allis-Chalmers Mfg Co
Alvey Conveyor Mfg Co
Barber-Greene Co
Barrett-Cravens Co
Baughman Mfg Co
Boardman Co
E W Buschman Co
Caterpillar Tractor Co
Chain Belt Co
Chicago Pneumatic Tool Co
Cleveland Crane & Engrg Co
Day Co
Dracco Div
Eimco Corp
Fairbanks Co
Flexoveyor Mfg Co
Gardner-Denver Co
General Elec Co, Apparatus Sales Div
Gifford-Wood Co
Gray Co
Hewitt-Robins
Frank G Hough Co
S Howes Co
Island Equipment Corp
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Link-Belt Co
Materials Handling Equipment Co
Merrick Scale Mfg Co
Franklin P Miller & Son
Myers Sherman Co
National Conveyor Corp
Rapids-Standard Co
Revolvator Co
Robbins & Myers, Hoist & Crane Div
Robinson Pneumatic Conveyor Systems
S I Handling Systems
St Regis Paper Co
Sel-Rex Corp
Southwestern Engrg Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Syntron Co
Thayer Scale Corp
Uhrden, Inc
Wallace & Tiernan Inc
Weighing & Control Components
West Bend Equipment Corp
Whiting Corp
Yale & Towne Mfg Co
Paul O Young Co

MEMBRANES, ACID & ALKALI PROOF

Brosites Mach Co

Allis-Chalmers Mfg Co, Engine Material Handling Div
Amercoat Corp
Automotive Rubber Co
Chase Chem Corp
B F Goodrich Industrial Prod Co
Flexi-Liner Co
Heil Process Equipment Corp
Ralph C Rulon Inc
Selas Corp of America
United States Stoneware Co

METERS, BOILER PERFORMANCE

Bailey Meter Co
Leeds & Northrup Co

METERS, CRITICAL FLOW

Brooks Instrument Co
Buffalo Meter Co
General Elec Co, Apparatus Sales Div
Fischer & Porter Co
Leeds & Northrup Co
Moore Products Co

METERS, DISPLACEMENT

American Meter Co
Buffalo Meter Co
Granberg Corp
Hays Corp
Neptune Meter Co
Roots-Connersville Blower
A O Smith Corp

METERS, ELECTRICAL

Baker Perkins
Beckman Instruments, Helipot Div
James G Biddle Co
Esterline-Angus Co
Leeds & Northrup Co
General Elec Co, Apparatus Sales Div
Simpson Elec Co

METERS, ELECTRONIC AREA

Bailey Meter Co
Baird-Atomic
Entoleter, Inc
Minneapolis-Honeywell, Industrial Products

METERS, FLOW, GASES

Fisher Scientific Co
New Jersey Safety Equipment Co

American Gas Furnace Co
American Meter Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brooks Instrument Co
Eclipse Fuel Engrg Co, Combustion Div
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
Jordan Co
Leeds & Northrup Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
Moore Products Co
National Instrument Labs Inc
Neptune Meter Co
Potter Aeronautical Corp
Republic Flow Meters Co
Rockwell Mfg Co
Roots-Connersville Blower
Schutte & Koerting Co
Selas Corp of America
Wallace & Tiernan Inc

METERS, FLOW, LIQUIDS

Fisher Scientific Co
Hetherington & Berner

American Meter Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brooks Fuel Engrg Co
Brooks Instrument Co
Buffalo Meter Co
Eclipse Fuel Engrg Co, Combustion Div
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Gray Co
Gulton Industries
Infilco Inc
Leeds & Northrup Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Neptune Meter Co
Potter Aeronautical Corp
Republic Flow Meters Co
Schutte & Koerting Co
A O Smith Corp
Wallace & Tiernan Inc
Worthington Corp

METERS, FLOW, STEAM

American Meter Co
BIF Industries
Bailey Meter Co
Bristol Co
Brooks Instrument Co
Ellison Draft Gage Co
Foxboro Co
General Controls Co
Mason-Neilan Div
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
Moore Products Co
National Instrument Labs, Inc
Republic Flow Meters Co
Schutte & Koerting Co
Wallace & Tiernan Inc

METERS, GAS

American Meter Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Foxboro Co
Hays Corp
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Neptune Meter Co
Republic Flow Meters Co
Rockwell Mfg Co
Roots-Connersville Blower

METERS, INTEGRATING

American Meter Co
BIF Industries
Bailey Meter Co
Bristol Co
Brooks Instrument Co
Buffalo Meter Co
Fischer & Porter Co
Foxboro Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co
Rockwell Mfg Co
Roots-Connersville Blower
A O Smith Corp

METERS, MASS FLOW

Black, Sivalls & Bryson
General Elec Co, Apparatus Sales Div
Foxboro Co
Potter Aeronautical Corp
Wallace & Tiernan Inc

METERS, MERCURY VAPOR

Minneapolis-Honeywell, Industrial Products
Mine Safety Appliances

METERS, MOISTURE

C W Brabender Instruments
Consolidated Electrodynamics
Foxboro Co
Phys-Chemical Research Corp
Soiltest, Inc

METERS, ORIFICE

American Meter Co
BIF Industries
Bailey Meter Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co
Rockwell Mfg Co

METERS, OXYGEN

Fisher Scientific Co
New Jersey Safety Equipment Co

American Meter Co
Bailey Meter Co
Cambridge Instrument Co
Mine Safety Appliances

►See catalog advertisement (Advertisers Index)
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METERS, pH

Fisher Scientific Co

Analytical Measurements
BIF Industries
Bailey Meter Co
Bristol Co
Cambridge Instrument Co
Coleman Instruments
Foxboro Co
Leeds & Northrup Co
Sel-Rex Corp

METERS, PUMP

Gray Co
Worthington Corp
Stewart-Warner Corp, Alemite Div

METERS, PURGE

Brooks Instrument Co
Conoflow Corp
Fischer & Porter Co
Moore Products Co
Schutte & Koerting
Wallace & Tiernan Inc

METERS, RADIATION

Beckman & Whitley
Bendix Corp, Cincinnati Div
Simpson Elec Co
Minneapolis-Honeywell, Industrial Products

METERS, SEWAGE

American Meter Co
BIF Industries
Bailey Meter Co
Fischer & Porter Co
Republic Flow Meters Co
Rockwell Mfg Co

METERS, TELEMETERING

American Meter Co
BIF Industries
Bailey Meter Co
Bristol Co
Brooks Instrument Co
Builders-Providence Div
Fischer & Porter Co
General Elec Co, Apparatus Sales Div
Gulton Industries
Foxboro Co
Leeds & Northrup Co
Moore Products Co
Minneapolis-Honeywell, Industrial Products
Potter Aeronautical Corp
Rockwell Mfg Co
Roots-Connersville Blower

METERS, TURBIDITY

General Elec Co, Apparatus Sales Div
Bailey Meter Co
Jacoby-Tarbox Corp

METERS, VENTURI

BIF Industries
Bailey Meter Co
Builders-Providence Div
Fischer & Porter Co
Foxboro Co
General Controls Co
Infilco Inc
Republic Flow Meters Co

METERS, VOLUMETRIC

Hetherington & Berner

Buffalo Meter Co
Delta Tank Mfg Co
Neptune Meter Co
Potter Aeronautical Corp
Roots-Connersville Blower

METERS, WATER

American Meter Co
BIF Industries
Bailey Meter Co
Brooks Instrument Co
Buffalo Meter Co
Ellison Draft Gage Co
Fischer & Porter Co
Neptune Meter Co
Potter Aeronautical Corp
Rockwell Mfg Co
Worthington Corp

MICROBURET

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co

MICROPHOTOMETERS

Applied Research Labs

MICROSCOPES

Fisher Scientific Co

American Optical Co Inc
Bausch & Lomb Inc
Pacific Transducer Corp
Philips Electronic Instruments

MICROSCOPES, POLARIZING

Bausch & Lomb Inc

MILLS, ATTRITION

First Machy Corp

Abbe Engrg Co
Combustion Engrg
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Franklin P Miller & Son
Munson Mill Machy Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
F J Stokes Corp
Sturtevant Mill Co
Tri-Homo Corp
Young Machy Co

MILLS, BALL

Paul O Abbe Inc
Bonnot Co
First Machy Corp
Fisher Scientific Co

Abbe Engrg Co
Allis-Chalmers Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Eimco Corp
Foster Wheeler Corp
Hardinge Co
International Engrg
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Nordberg Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
F L Smidth & Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Div
Tri-Homo Corp
United States Stoneware Co

MILLS, BALL & PEBBLE

Paul O Abbe Inc
First Machy Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Eimco Corp
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Nordberg Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Div
Tri-Homo Corp
Union Process Co
United States Stoneware Co

MILLS, BALL, PILOT PLANT

Paul O Abbe Inc

Abbe Engrg Co
Allis-Chalmers Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Tri-Homo Corp
Union Process Co

MILLS, BATCH, CONTINUOUS

Paul O Abbe Inc
J H Day Co Div
First Machy Corp
Pulva Corp
Union Bag-Camp Paper Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Chemicolloid Labs
Denver Equipment Co
Entoleter, Inc
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
International Engrg
Kinetic Dispersion Corp
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Strong-Scott Mfg Co
Tri-Homo Corp
Union Process Co

MILLS, BLADE

Abbe Engrg Co
Allis-Chalmers Mfg Co
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Charles Ross & Son Co
F J Stokes Corp

MILLS, BURR

First Machy Corp

C W Brabender Instruments
Davis Foundry & Mach Works
Martindale Elec Co
Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Tri-Homo Corp

MILLS, CAGE

First Machy Corp

Combustion Engrg
Gruendler Crusher & Pulverizer Co
T J Gundlach Mach Co
Franklin P Miller & Son
Charles Ross & Son Co
Stedman Foundry & Mach Co

MILLS, CHASER

First Machy Corp

Franklin P Miller & Son
Charles Ross & Son Co

MILLS, COLLOID

Barrington Industries, Inc
First Machy Corp

Abbe Engrg Co
Chemicolloid Labs Inc
Gifford-Wood Co
Kinetic Dispersion Corp
Manton-Gaulin Mfg Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Tri-Homo Corp
Union Process Co

MILLS, COMPACTING

Abbe Engrg Co
Allis-Chalmers Mfg Co
Franklin P Miller & Son
Edw Renneburg & Sons Co

MILLS, CONICAL

First Machy Corp

Abbe Engrg Co
Hardinge Co
International Engrg
Franklin P Miller & Son
Edw Renneburg & Sons Co
Charles Ross & Son Co
Tri-Homo Corp

MILLS, DISK

Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Tri-Homo Corp
Young Machy Co

MILLS, DISPERSION

Paul O Abbe Inc
Barrington Industries Inc
J H Day Co Div

Abbe Engrg Co
Chemicolloid Labs Inc
Entoleter, Inc
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Charles Ross & Son Co
Patterson Foundry & Mach Co
Southwestern Engrg Co
F J Stokes Corp
Strong-Scott Mfg Co
Tri-Homo Corp

MILLS, DRY-COLOR

Paul O Abbe Inc
J H Day Co Div
Pulva Corp

Abbe Engrg Co
Entoleter, Inc
Majac, Inc
Franklin P Miller & Son
Patterson Foundry Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
F J Stokes Corp
Tri-Homo Corp

MILLS, FLAKING

J H Day Co Div

Allis-Chalmers Mfg Co
Alten Foundry & Mach Works
Entoleter, Inc
Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co

MILLS, GRANULATING

J H Day Co Div
Pulva Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Entoleter Inc
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
Franklin P Miller & Son
Myers Sherman Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
F J Stokes Corp
Sturtevant Mill Co
Tri-Homo Corp
Young Machy Co

MILLS, GRINDING

Paul O Abbe Inc
Bonnot Co
J H Day Co Div
Fisher Scientific Co
Pulva Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
C W Brabender Instruments
Combustion Engrg, Raymond Div
Davis Foundry & Mach Works
Denver Equipment Co
Eimco Corp
Entoleter, Inc
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Majac, Inc
Franklin P Miller & Son
Myers Sherman Co
Nordberg Mfg Co
Patterson Foundry & Mach Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
F L Smidth & Co
Southwestern Engrg Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Tri-Homo Corp
Union Process Co
United States Stoneware Co
Williams Patent Crusher & Pulverizer Co
Young Machy Co

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MILLS, HAMMER

Bonnot Co
First Machy Corp
Pulva Corp
Union Bag-Camp Paper Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Buffalo Hammer Mill Corp
Combustion Engrg, Raymond Div
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Manitowoc Shipbuilding, Inc
Franklin P Miller & Son
Munson Mill Machy Co
Myers Sherman Co
Prater Pulverizer Co
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
Spout, Waldron & Co
Stedman Foundry & Mach Co
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co
Young Machy Co

MILLS, HOG

First Machy Corp

Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Franklin P Miller & Son
Rietz Mfg Co
Stedman Foundry & Mach
Williams Patent Crusher & Pulverizer Co

MILLS, IMPACT

First Machy Corp
Pulva Corp

Abbe Engrg Co
Combustion Engrg, Raymond Div
Entoleter, Inc
Gruendler Crusher & Pulverizer Co
T J Gundlach Mach Co
Kinetic Dispersion Corp
Manitowoc Shipubilding, Inc
Franklin P Miller & Son
Prater Pulverizer Co
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co
Young Machy Co

MILLS, INK

Paul O Abbe Inc
J H Day Co Div
First Machy Crop
Hetherington & Berner

Abbe Engrg Co
Chemicolloid Labs
J P Devine Mfg Co
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Patterson Foundry & Mach Co
Charles Ross & Son Co
Southwestern Engrg Co
Tri-Homo Corp

MILLS, JACKETED BALL

Paul O Abbe Inc
First Machy Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
J P Devine Mfg Co
International Engrg
Kennedy Van Saun Mfg & Engrg Corp
Kinetic Dispersion Corp
Patterson Foundry & Mach Co
Union Process Co
United States Stoneware Co

MILLS, JAR

Paul O Abbe Inc
First Machy Corp

Abbe Engrg Co
International Engrg
Kinetic Dispersion Corp
McDanel Refractory Porcelain Co
Patterson Foundry & Mach
Charles Ross & Son Co
United States Stoneware Co

MILLS, LABORATORY

Paul O Abbe Inc
J H Day Co Div
Fisher Scientific Co
Pulva Corp

Abbe Engrg Co
C W Brabender Instruments
Buffalo Hammer Mill Corp
Chemicolloid Labs
Combustion Engrg, Raymond Div
Denver Equipment Co
Entoleter, Inc
Gruendler Crusher & Pulverizer Co
Hardinge Co
International Engrg
Kinetic Dispersion Corp
McDanel Refractory Porcelain Co
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
Sprout, Waldron & Co
Sturtevant Mill Co
Tri-Homo Corp
Union Process Co
United States Stoneware
Young Machy Co

MILLS, PAINT

Paul O Abbe Inc
J H Day Co Div

Abbe Engrg Co
C W Brabender Instruments
Gardner Lab
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Southwestern Engrg Co
Tri-Homo Corp

MILLS, PASTE

Paul O Abbe Inc
J H Day Co Div
First Machy Corp

C W Brabender Instruments
Kinetic Dispersion Corp
Franklin P Miller & Son
Charles Ross & Son Co
Patterson Foundry & Mach Co
Southwestern Engrg Co
Strong-Scott Mfg Co
Tri-Homo Corp

MILLS, PELLET

First Machy Corp

California Pellet Mill Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Sprout, Waldron & Co

MILLS, PUG

Bonnot Co
First Machy Corp

Boardman Co
Combustion Engrg
Gruendler Crusher & Pulverizer Co
International Engrg
Manitowoc Shipbuilding, Inc
Link-Belt Co
Franklin P Miller & Son
Posey Iron Works
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sturtevent Mill Co

MILLS, ROD

First Machy Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
E W Bliss Co
Denver Equipment Co
Eimco Corp
Hardinge Co
Nordberg Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Patterson Foundry & Mach Co
Edw Renneberg & Sons
Traylor Engrg & Mfg Div

MILLS, ROLLER

J H Day Co Div
First Machy Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Combustion Engrg, Raymond Div
Foster Wheeler Corp
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
Franklin P Miller & Son
Myers Sherman Co
Edw Renneburg & Sons
Charles Ross & Son Co
Sprout, Waldron & Co

MILLS, STONE

J H Day Co Div

Abbe Engrg Co
Davidson Kennedy Co
Denver Equipment Co
Kennedy Van Saun Mfg & Engrg Corp
Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Tri-Homo Corp

MILLS, TUBE

Paul O Abbe Inc

Abbe Engrg Co
Allis-Chalmers Mfg Co
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
Nordberg Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Traylor Engrg & Mfg Div

MILLS, TUMBLING

Paul O Abbe Inc

Abbe Engrg Co
Hardinge Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Traylor Engrg & Mfg Div
Whiting Corp

MILLS, VERTICAL

J H Day Co Div

Combustion Engrg, Raymond Div
Franklin P Miller & Son
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
Sturtevant Mill Co
Traylor Engrg & Mfg Div
Tri-Homo Corp

MIRRORS

Semon Bache & Co
Bausch & Lomb Inc

MIXERS, AIR DRIVEN

Barrington Industries, Inc
Eastern Industries
Fisher Scientific Co

Alsop Engrg Corp
Baker Perkins
Chemineer, Inc
Conn & Co
Gifford-Wood Co
Gray Co
Mixing Equipment Co
Nettco Corp
Nooter Corp

MIXERS, ANGULAR

Paul O Abbe Inc
Eastern Industries

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
Industrial Process Engrs
Mixing Equipment Co
Nettco Corp
Nooter Corp
Charles Ross & Son Co

MIXERS, BATCH

Paul O Abbe Inc
Barrington Industries, Inc
Bonnot Co
J H Day Co Div
Eastern Industries
First Machy Corp
Hetherington & Berner

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
Baker Perkins
Barber-Greene Co
Boardman Co
Brighton Corp
Chain Belt Co
Chemineer Inc
Conn & Co
Continental Boiler & Sheet Iron Works
Denver Equipment Co
Emerson Mfg Co
Entoleter, Inc
General American Transportation Corp
Gifford-Wood Co
Graver Tank & Mfg Co
Gruendler Crusher & Pulverizer Co
Hayes & Stoltz Industrial Co
Hodgson Engrg & Mfg Co
S Howes Co
Industrial Process Engrs
Jeffrey Mfg Co
Kinetic Dispersion Corp
Manitowoc Shipbuilding, Inc
Franklin P Miller & Son
Mixing Equipment Co
Munson Mill Machy Co
Myers Sherman Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Posey Iron Works
Prater Pulverizer Co
Rapids Machy Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Safety Industries, Entoleter Div
Soiltest, Inc
Sprout, Waldron & Co
Stedman Foundry & Mach Co
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co
Terriss-Consolidated Industries
Wemco Div, Western Machy Co
Young Machy Co

MIXERS, CAGE BEATER

Eastern Industries

Allied Steel Products Corp
Alsop Engrg Corp
Combustion Engrg
Mixing Equipment Co
Nooter Corp
Charles Ross & Son Co
Terriss-Consolidated Industries

MIXERS, CENTRIFUGAL

Barrington Industries, Inc
J H Day Co Div
Eastern Industries

Allied Steel Products Corp
Alsop Engrg Corp
Entoleter, Inc
Industrial Process Engrs
Nooter Corp
General American Transportation Corp
Mixing Equipment Co
Charles Ross & Son Co

MIXERS, CHANGE CAN

Barrington Industries, Inc
J H Day Co Div
Eastern Industries
First Machy Corp

Abbe Engrg Co
Alsop Engrg Corp
Baker Perkins
Conn & Co
Entoleter, Inc
Ertel Engrg Corp
Hodgson Engrg & Mfg Co
Industrial Process Engrs
Kinetic Dispersion Corp
Posey Iron Works
Charles Ross & Son Co

MIXERS, CONE

Paul O Abbe Inc
First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
J P Devine Mfg Co
General American Transportation Corp
Industrial Process Engrs
Komline-Sanderson Engrg Corp
Manitowoc Shipbuilding, Inc
Mixing Equipment Co
Nooter Corp
Edw Renneburg & Sons
Charles Ross & Son Co
Soiltest, Inc

►See catalog advertisement (Advertisers Index) See company directory for addresses

MIXERS, CONTINUOUS

Paul O Abbe Inc
Barrington Industries, Inc
Bonnot Co
• **Eastern Industries**
First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
Baker Perkins
Barber-Greene Co
Bethlehem Foundry & Mach Co
Boardman Co
Chemicolloid Labs, Inc
Chemineer Inc
Conn & Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Emerson Mfg Co
Entoleter, Inc
General American Transportation Corp
Gifford-Wood Co
Graver Tank & Mfg Co
Gray Co
Gruendler Crusher & Pulverizer Co
B H Gump Co
Hardinge Co
S Howes Co
Industrial Process Engrs
Jeffrey Mfg Co
Lancaster Chem Corp
G Diehl Mateer Co
Materials Handling Equipment Co
Franklin P Miller & Son
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Wemco Div, Western Machy Co
Young Machy Co

MIXERS, DISK

Alsop Engrg Corp
Conn & Co
Dravo Corp
General American Transportation Corp
Industrial Process Engrs
Kinetic Dispersion Corp
Mixing Equipment Co
Nooter Corp
Charles Ross & Son Co
Sprout, Waldron & Co

MIXERS, DRY POWDER

Paul O Abbe Inc
J H Day Co Div
First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
Colonial Iron Works Co
Conn & Co
J P Devine Mfg Co
Entoleter, Inc
General American Transportation Corp
Gruendler Crusher & Pulverizer Co
S Howes Co
Industrial Process Engrs
G Diehl Mateer Co
Franklin P Miller & Son
Nooter Corp
Posey Iron Works
Patterson Foundry & Mach Co
Rapids Machy Co
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co
Young Machy Co

MIXERS, GAS AIR

Eastern Industries

American Gas Furnace Co
Cutler-Hammer Inc
Eclipse Fuel Engrg Co, Combustion Div
Gas Machy Co
C M Kemp Mfg Co
Nooter Corp
North American Mfg Co
Pyronics, Inc
Roots-Connersville Blower
Selas Corp of America
Schutte & Koerting Co
Wemco Div, Western Machy Co

MIXERS, GATE

Eastern Industries

Alsop Engrg Corp
Chemineer Inc
Conn & Co
Industrial Process Engrs
Mixing Equipment Co
Nettco Corp
Nooter Corp
Charles Ross & Son Co
Star Tank & Filter Corp
Young Machy Co

MIXERS, GRAVITY

Abbe Engrg Co
Manitowoc Shipbuilding, Inc
Chemicolloid Labs
Charles Ross & Son Co
Sprout, Waldron & Co

MIXERS, HEATED, STEAM-JACKETED

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
First Machy Corp
Hetherington & Berner

Abbe Engrg Co
Allied Steel Products
Alsop Engrg Corp
Baker Perkins
Brighton Corp
Chemicolloid Labs, Inc
Conn & Co
Dean Products, Inc
J P Devine Mfg Co
General American Transportation Corp
Gifford-Wood Co
Graver Tank & Mfg Co
Gruendler Crusher & Pulverizer Co
S Howes Co
Industrial Process Engrs
Link-Belt Co
Mixing Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Ernest Scott & Co
Sprout, Waldron & Co
Star Tank & Filter Corp
F J Stokes Corp
Strong-Scott Mfg Co
Struthers Wells Corp
Young Machy Co

MIXERS, LABORATORY

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
Eastern Industries
Fisher Scientific Co
Hetherington & Berner

Abbe Engrg Co
Alsop Engrg Corp
Baker Perkins
C W Brabender Instruments
Brighton Corp
Brookfield Engrg Labs
Chemicolloid Labs, Inc
Chemineer Inc
Clay-Adams
Conn & Co
Denver Equipment Co
Eberbach Corp
Ertel Engrg Corp
General American Transportation Corp
Gruendler Crusher & Pulverizer Co
Gifford-Wood Co
Hodgson Engrg & Mfg Co
S Howes Co
International Engrg
Kinetic Dispersion Corp
Franklin P Miller & Son
Mixing Equipment Co
Palo Lab Supplies
Posey Iron Works
Rapids Machy Co
Read Standard Div
Charles Ross & Son Co
Arthur F Smith, Inc
Soiltest, Inc
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Terriss-Consolidated Industries
United States Stoneware Co
Wemco Div, Western Machy Co
Young Machy Co

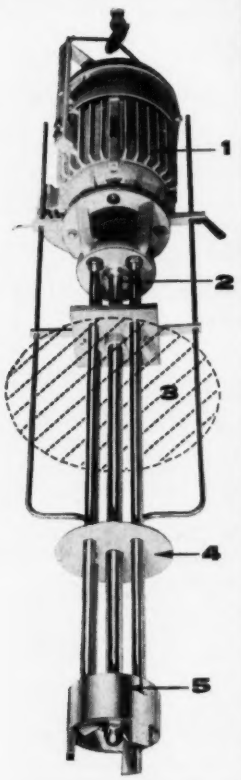
MIXERS, LIQUID

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
Eastern Industries

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
S Blickman Inc
Chem Flow Corp
Chemicolloid Labs
Chemineer Inc
Colonial Iron Works Co
Conn & Co
J P Devine Mfg Co
Entoleter, Inc
Ertel Engrg Corp
General American Transportation Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Gray Co

(Continued)

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BARRINGTON CONVERTIBLE JET MIXERS

MIX-EMULSIFY
DISPERSE-HOMOGENIZE
PORTABLE OR STATIONARY

BARRINGTON'S high speed, high shear mixers were developed by chemists and chemical engineers whose critical requirements for mixing liquids and fluid pastes could not be fulfilled with equipment that was commercially available. Out of their need has evolved a scientifically designed line of small laboratory and large production scale mixers that are truly the finest available at any cost. And yet, these rugged precision-built mixers—with convertible open or closed turbine operation—have proven capable of outperforming and outlasting units that are many times larger. These facts are borne out by hundreds of installations involving emulsification and dispersion of low to very high viscosity materials, and thixotropic materials of hundreds of thousands of cps., in textile, paint, ink, chemical, paper coating, cosmetics, pharmaceutical, food processing and other industries.

1 **POWER SUPPLIES.** Standard laboratory & semi-works models with ¼ HP to 1½ HP capacity utilize 110 or 220 V, 60 cycle single phase current and an accessory auto transformer to control speeds up to 8000 r.p.m. The 3 HP and larger models are offered with 220 to 550 V, 3-phase, explosion proof, totally enclosed, or epoxy lined motors. Air or steam powered mixers are available for special applications.

2 **EASILY ADJUSTABLE ROTOR TO STATOR DISTANCE** (patent pending) for finer control of shear and dispersing action, by simply turning the motor shaft adjusting unit.

3 **OPTIONAL FOAM ARRESTOR** (Patent Pending). While BARRINGTON mixers are designed to operate without creating foam under most conditions, a unique floating mat assembly is offered for use with especially troublesome materials.

4 **ADJUSTABLE BAFFLE PLATE** deflects horizontally the material surging up thru the mixing head.

5 **CONVERTIBLE FROM CLOSED TO OPEN TURBINE** (Patent Pending) within seconds and without the use of special tools.

6 **HOLLOW SHAFT** (Patent No. U.S. 2,801,083) Special mixers are available for introducing and dispersing gases in liquids, or liquids in liquids, thru the shaft under controlled conditions at point of highest shear.

7 **EASY TO CLEAN & SANITIZE.** All parts are readily accessible, easy to clean, sanitize and disinfect. All metal parts in contact with materials processed are stainless steel. (Other metals on special order.)

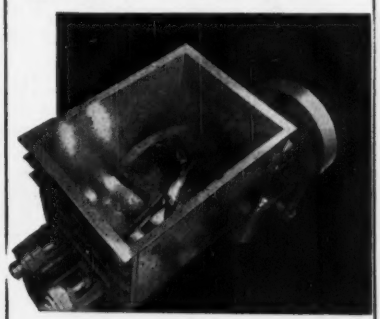
8 **LIFTING DEVICES AVAILABLE.** To meet any installation requirements using hand operated mechanical, electrical, air or hydraulic mechanisms.

For recommendations on mixers or other chemical process equipment to meet your specific requirements contact:

BARRINGTON INDUSTRIES, Inc.

185-A Union Ave., Providence 9, R. I.
Cable Address: BARRENCO, Providence (R.I.) Tel.: Williams 2-8310, 8150, 5570

DAY DEPENDABLE MIXING EQUIPMENT



For over 70 years, manufacturers of a complete line of better-built mixing equipment for every chemical and food processing need—ribbon blenders, pony mixers, dispersion mills, heavy duty double arm mixers, sifters, etc.—in a wide range of production and laboratory sizes. Write for detailed information and literature, outlining your requirements.

The J. H. DAY Co.
Div. of The Cleveland Automatic Machine Co.
4950 Beech Street, Cincinnati 12, Ohio

EASTERN MIXERS

mix fluids quickly . . . thoroughly



EASTERN'S COMPLETE LINE of fluid mixers range from fixed-mounted 40 H.P. turbines and heavy-duty propeller mixers to lightweight portables. Where fixed-mounted installations are not required, Eastern Portables offer versatility, ease of handling and long-term cost savings.

Portables are available with speeds of 420, 1125 and 1725 R.P.M., rated from 1/20 to 3 H.P. as standard, with variable speed and air-driven models also available. Motors in all standard types can be supplied in open drip-proof, totally-enclosed, or explosion-proof construction. Shafts and single or dual propellers are available in a choice of alloys for all service requirements. New optional ball-swivel clamp as illustrated, permits easy adjustment of mixer position in tank.

For a personalized analysis of your mixing problems, send details to Eastern engineers. A recommended solution will be furnished promptly and without obligation. For a helpful guide to mixing fundamentals, write for "Handbook of Fluid Mixing."



SIDE-ENTERING MIXERS
Handle the extra heavy-duty jobs in big tanks. Sizes ¼ to 30 H.P. Send for Bulletin 620.

TOP ENTERING MIXERS
Designed for heavy-duty applications requiring agitators from ¼ to 10 H.P. Send for Bulletin 620.

TURBINE MIXERS
Range of ¼ to 40 H.P. solve many special mixing problems. Send for Bulletin 1210.



NEW PORTABLE MIXER BULLETIN

Eastern's improved line is included in the revised Bulletin No. 530.

Eastern INDUSTRIES, INC.
Dept. A-1. Norwalk, Conn.

MIXERS, LIQUID (continued)

S Howes Co
Industrial Process Engrs
Infilco Inc
International Engrg
Kinetic Dispersion Corp
Lancaster Chem Corp
Link-Belt Co
G Diehl Mateer Co
Mixing Equipment Co
Myers Sherman Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Read Standard Div
Charles Ross & Son Co
Schutte & Koerting Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss-Consolidated Industries
Wemco Div, Western Machy Co

MIXERS, PADDLE

Bennot Co
J H Day Co Div
Eastern Industries
Hetherington & Berner

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
Arrow Tank Co
Baker Perkins
Barber-Greene Co
Boardman Co
Chemineer Inc
Arthur Colton Co
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Eimco Corp
General American Transportation Corp
Gifford-Wood Co
Gray Co
Gruendler Crusher & Pulverizer Co
Hayes & Stoltz Industrial Co
S Howes Co
Industrial Process Engrs
International Engrg
Jeffrey Mfg Co
Manitowoc Shipbuilding, Inc
Materials Handling Equipment Co
Franklin P Miller & Son
Mixing Equipment Co
Nettco Corp
Nooter Corp
Palo Lab Supplies
Patterson Foundry & Mach Co
Posey Iron Works
Rapids Machy Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Terriss-Consolidated Industries

MIXERS, PAN

Bennot Co
J H Day Co Div
Eastern Industries

Bethlehem Foundry & Mach Co
Arthur Colton Co
Industrial Process Engrs
International Engrg
Mixing Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Posey Iron Works
Charles Ross & Son Co
Stedman Foundry & Mach

MIXERS, PASTE

Paul O Abbe Inc
Barrington Industries, Inc
Bennot Co
J H Day Co Div
Eastern Industries

Abbe Engrg Co
Allied Steel Products Corp
Baker Perkins
C W Brabender Instruments
Chemicolloid Labs
Chemineer Inc
Arthur Colton Co
Conn & Co
J P Devine Mfg Co
Industrial Process Engrs
Lancaster Chem Corp
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp
Strong-Scott Mfg Co

MIXERS, PILOT PLANT

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
Eastern Industries

Abbe Engrg Co
Alsop Engrg Corp
Baker Perkins
Chemicolloid Labs
Chemineer Inc
Conn & Co
Denver Equipment Co
Emerson Mfg Co
General American Transportation Corp
Industrial Process Engrs
Kinetic Dispersion Corp
Gruendler Crusher & Pulverizer Co
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp

MIXERS, PIPE LINE

Barrington Industries, Inc

Allied Steel Products Corp
Alsop Engrg Corp
Chemicolloid Labs
Chemineer Inc
Conn & Co
General American Transportation Corp
Gifford-Wood Co
Mixing Equipment Co
Nettco Corp
Charles Ross & Son Co
Schutte & Koerting Co
Wemco Div, Western Machy Co

MIXERS, PONY

J H Day Co Div
Eastern Industries

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First Machy Corp

Baker Perkins
Charles Ross & Son Co

MIXERS, PORTABLE

Barrington Industries, Inc
J H Day Co Div
Eastern Industries
First Machy Corp

Abbe Engrg Co
Alsop Engrg Corp
Barber-Greene Co
Chemicolloid Labs
Chemineer Inc
Conn & Co
J P Devine Mfg Co
Ertel Engrg Corp
Gifford-Wood Co
Hodgson Engrg & Mfg Co
Industrial Process Engrs
International Engrg
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Strong-Scott Mfg Co
Terriss-Consolidated Industries
Young Machy Co

MIXERS, PRESSURE & VACUUM

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
Eastern Industries
First Machy Corp

Abbe Engrg Co
Allied Steel Products Co
Alsop Engrg Corp
Baker Perkins
Brighton Corp
Chemicolloid Labs
Chemineer Inc
Colonial Iron Works Co
Conn & Co
J P Devine Mfg Co
General American Transportation Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Graver Tank & Mfg Co
Industrial Process Engrs
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Charles Ross & Son Co
Arthur F Smith, Inc
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp
Tri-Homo Corp

MIXERS, PROPELLER

Barrington Industries, Inc
Bonnot Co
Eastern Industries
First Machy Corp

Alsop Engrg Corp
Arrow Tank Co
Chem Flow Corp
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Eimco Corp
Ertel Engrg Corp
General American Transportation Corp
Gray Co
Industrial Process Engrs
International Engrg
Link-Belt Co
Mixing Equipment Co
Nettco Corp
Nooter Corp
Palo Lab Supplies
Patterson Foundry & Mach Co
Charles Ross & Son Co
Arthur F Smith, Inc
Star Tank & Filter Corp
Struthers Wells Corp
Terriss-Consolidated Industries
Walker Process Equipment
Wemco Div, Western Machy Co

MIXERS, RADIAL PROPELLER

Eastern Industries

Alsop Engrg Corp
Bethlehem Foundry & Mach Co
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
General American Transportation Corp
Ertel Engrg Corp
Industrial Process Engrs
Kinetic Dispersion Corp
Mixing Equipment Co
Nettco Corp
Nooter Corp
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp

MIXERS, REVOLVING DRUM

Paul O Abbe Inc
First Machy Corp
Standard Steel Corp

Abbe Engrg Co
Boardman Co
Chain Belt Co
Denver Equipment Co
General American Transportation Corp
Hodgson Engrg & Mfg
Industrial Process Engrs
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stedman Foundry & Mach Co
Sturtevant Mill Co
Thompson Mfg Co
Uhrden, Inc
United States Stoneware Co

MIXERS, RIBBON

Paul O Abbe Inc
J H Day Co Div
First Machy Corp

Boardman Co
J P Devine Mfg Co
Gruendler Crusher & Pulverizer Co
Hayes & Stolz Industrial Mfg Co
S Howes Co
Industrial Process Engrs
International Engrg
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Posey Iron Works
Read Standard Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Young Machy Co

MIXERS, SIDE-ENTERING

Eastern Industries
First Machy Corp

Allied Steel Products Corp
Alsop Engrg Corp
Chemineer Inc
Conn & Co
J P Devine Mfg Co
General American Transportation Corp
Industrial Process Engrs
International Engrg
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Sprout Waldron & Co
Star Tank & Filter Corp
Terriss-Consolidated Industries
Young Machy Co

MIXERS, SLURRY

Paul O Abbe Inc
Barrington Industries, Inc
J H Day Co Div
Eastern Industries

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
Chemicolloid Labs
Chemineer Inc
Conn & Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Entoleter, Inc
General American Transportation Corp
Gifford-Wood Co
S Howes Co
Infilco Inc
Lancaster Chem Corp
G Diehl Mateer Co
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Struthers Wells Corp
Walker Process Equipment
Wemco Div, Western Machy Co

MIXERS, STEAM & WATER

Brighton Corp
Mixing Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Sprout, Waldron & Co
Strahman Valves
Struthers Wells Corp

MIXERS, TOP ENTERING

Barrington Industries, Inc
J H Day Co Div
Eastern Industries
First Machy Corp

Abbe Engrg Co
Allied Steel Products Corp
Alsop Engrg Corp
Baker Perkins
Brighton Corp
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
General American Transportation Corp
Industrial Process Engrs
Gruendler Crusher & Pulverizer Co
Kinetic Dispersion Corp
Mixing Equipment Co
Nettco Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss-Consolidated Industries
Wemco Div, Western Machy Co
Young Machy Co

MIXERS, TUMBLING

Paul O Abbe Inc
First Machy Corp

Abbe Engrg Co
Arthur Colton Co
J P Devine Mfg Co
Gruendler Crusher & Pulverizer Co
Hodgson Engrg & Mfg Co
Industrial Process Engrs
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
United States Stoneware Co

MIXERS, TURBINE

Barrington Industries, Inc
Eastern Industries

Abbe Engrg Co
Alsop Engrg Corp
Brighton Corp
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
General American Transportation Corp
Industrial Process Engrs
Infilco Inc
International Engrg
Mixing Equipment Co
Nettco Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Arthur F Smith, Inc
Star Tank & Filter Corp

MIXERS, VACUUM

Paul O Abbe Inc
Barrington Industries, Inc
Bonnot Co
J H Day Co Div
First Machy Corp

Abbe Engrg Co
Alsop Engrg Corp
Baker Perkins
C W Brabender Instruments
Brighton Corp
Colonial Iron Works Co
Conn & Co
J P Devine Mfg Co
General American Transportation Corp
Gruendler Crusher & Pulverizer Co
Graver Tank & Mfg Co
Industrial Process Engrs
Mixing Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Charles Ross & Son Co
Ernest Scott & Co
Arthur F Smith, Inc
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp

MIXERS, WATER, HOT/COLD

Eastern Industries

Abbe Engrg Co
Alsop Engrg Corp
Fulton-Sylphon Div
Mixing Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Strahman Valves

MOISTURE DETERMINATION APPARATUS

Fisher Scientific Co

Analytical Measurements
C W Brabender Instruments
Bristol Co
Consolidated Electrodynamics
Desomatic Products
Foxboro Co
S Howes Co
Phys-Chemical Research Corp
Weighing & Controls Inc

MONOCHROMATORS

Applied Research Labs
Bausch & Lomb Inc
Perkin-Elmer Corp

MORTARS, HIGH TEMPERATURE

►JOHNS-MANVILLE

American Pulley Co
Babcock & Wilcox Co, Refractories Div
J H France Refractories Co
A P Green Fire Brick Co
Kaiser Refractories & Chems Div
Norton Co

MOTOR BASES, ADJUSTABLE

Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Korfund Co
Marathon Elec Mfg Co
United States Elec Motors

MOTOR BASES, TENSION TYPE

American Pulley Co
Marathon Elec Mfg Co

MOTORS, A. C.

Carrier Corp
Century Elec Co
Electra Motors
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Controls Co
General Elec Co, Apparatus Sales Div
Leiman Bros, Inc
Lincoln Elec Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
A O Smith Corp
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

MOTORS, AIR

Airetool Mfg Co
Barber-Colman Co
Chicago Pneumatic Tool Co
Eimco Corp
Electra Motors
Gardner-Denver Co
Ingersoll-Rand Co
Joy Mfg Co
Wagner Elec Corp

MOTORS, D. C.

Allis-Chalmers Mfg Co
Barber-Colman Co
Bowmar Instrument Corp
Carrier Corp
Century Elec Co
Crowell Designs
Electric Autolite Co
Elliott Co
General Controls Co
General Elec Co, Apparatus Sales Div
Fairbanks, Morse & Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div

MOTORS, ENCLOSED, FAN COOLED

Allis-Chalmers Mfg Co
Barber-Colman Co
Century Elec Co
Electra Motors
Electric Machy Mfg Co
Elliott Co
General Elec Co, Apparatus Sales Div
Fairbanks, Morse & Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
A O Smith Corp
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

MOTORS, EXPLOSION-PROOF

Allis-Chalmers Mfg Co
Barber-Colman Co
Century Elec Co
Electra Motors
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
Sterling Elec Motors
Superior Elec Co
United States Elec Motors
Wagner Elec Corp

MOTORS, INDUCTION

Allis-Chalmers Mfg Co
Barber-Colman Co
Century Elec Co
Electra Motors
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Lincoln Elec Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

MOTORS, PUMP

Allis-Chalmers Mfg Co
Century Elec Co
Electra Motors
Electric Autolite Co
Electric Machy Mfg Co
Elliott Co
General Elec Co, Apparatus Sales Div
Fairbanks, Morse & Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
A O Smith Corp
Sterling Elec Motors
United States Elec Motors

MOTORS, SPLASH-PROOF

Allis-Chalmers Mfg Co
Century Elec Co
Electra Motors
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Lincoln Elec Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

MOTORS, SYNCHRONOUS

Allis-Chalmers Mfg Co
Barber-Colman Co
Carrier Corp
Century Elec Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
Sterling Elec Motors
Superior Elec Co
Wagner Elec Corp

MOTORS, VARIABLE SPEED

Allis-Chalmers Mfg Co
Carrier Corp
Century Elec Co
Electric Autolite Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Link-Belt Co
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

MOTORS, VERTICAL

Allis-Chalmers Mfg Co
Century Elec Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
Reliance Elec & Engrg Co
Robbins & Myers, Elec Motor Div
A O Smith Corp
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

MOUNTINGS—VIBRATION, SHOCK & NOISE ISOLATING

American Felt Co
B F Goodrich Industrial Prod Co
Goshen Rubber Co
Korfund Co
Lord Mfg Co
Pall Corp
Raybestos-Manhattan

MULLERS, BATCH

First Machy Corp

Franklin P Miller & Son
Posey Iron Works
Charles Ross & Son Co

N

NEPHELOMETERS

Fisher Scientific Co
Standard Scientific Supply Corp

Coleman Instruments

NICKEL & NICKEL ALLOYS EQUIPMENT

First Machy Corp

Allied Steel Products Corp
Alloy Products Corp
Colonial Iron Works Co
Dean Products, Inc
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Haynes Stellite Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
Nooter Corp
Perry Products Co
Sel-Rex Corp
Southwestern Engrg Co
Stainless Products
Stainless & Steel Products Co
Star Tank & Filter Corp
Struthers Wells Corp
Worthington Corp

NITRATORS

Colonial Iron Works Co
General American Transportation Corp
Industrial Process Engrs
Vulcan Mfg
Stainless & Steel Products Co
Tolhurst Centrifugals Div

NITROGEN FILLING MACHINES

MRM Co

NOZZLES, ATOMIZING

Spraying Systems Co

Anchor Engrg Co
John Bean Div
Engineer Co
Gray Co
Monarch Mfg Works
National Airoil Burner
North American Mfg Co
Schutte & Koerting Co
Todd Shipyards Corp

NOZZLES, BLAST CLEANING

Aldrich Pump Co
John Bean Div
Norton Co
Pangborn Corp
Sumco Engrg, Inc
Wheelabrator Corp

NOZZLES, CAN & PAIL

American Flange & Mfg Co
Anchor Engrg Co
OPW-Jordan
Vulcan Containers

NOZZLES, COOLING TOWER

Spraying Systems Co

Allied Steel Products Corp
Haveg Industries
Marley Co
Monarch Mfg Works
J F Pritchard & Co of Cal

NOZZLES, FIRE

Spraying Systems Co

American LaFrance Div
John Bean Div
United States Rubber Co

NOZZLES, FOG

Spraying Systems Co

American LaFrance Div
John Bean Div
Grinnell Co

NOZZLES, HUMIDIFYING

Spraying Systems Co

Monarch Mfg Works
Parks-Cramer Co

NOZZLES, MANHOLE

Allied Steel Products Corp
Star Tank & Filter Corp

NOZZLES, MIXING

Spraying Systems Co

Duriron Co
Gray Co
Kennedy Tank & Mfg Co
Todd Shipyards Corp

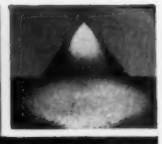
NOZZLES, SPRAY

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**
D J Murray Mfg Co
Spraying Systems Co

Aldrich Pump Co
John Bean Div
Chain Belt Co
Clarage Fan Co
Duriron Co
Emerson Mfg Co
Engineer Co
Falls Industries
Gray Co
Grinnell Co
Haveg Industries
Infilco Inc

SPRAYING SYSTEMS CO.

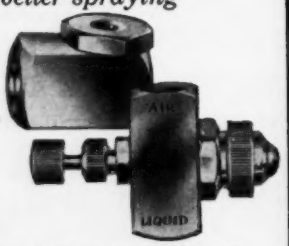
SPRAY NOZZLES

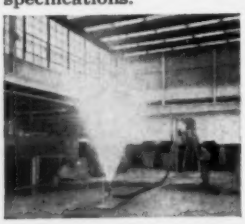


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Monarch Mfg Works
Parks-Cramer Co
Schutte & Koerting Co
Strahman Valves
Sumco Engrg, Inc
Wurster Sanger
Yarnall-Waring Co

NOZZLES, STONEWARE

Spraying Systems Co

Electro-Ceramics, Inc
Monarch Mfg Works

NOZZLES, SWING LINE

Spraying Systems Co

NOZZLES, TANK SHELL

Allied Steel Products Corp
Kennedy Tank & Mfg Co
Ladish Co
Star Tank & Filter Corp

NOZZLES, TIN

Anchor Engrg Co
Stearns-Roger Mfg Co

NUCLEAR INSTRUMENTS

Aerotec Industries
Bailey Meter Co
Baird-Atomic, Inc
Bendix Corp, Cincinnati Div
Consolidated Controls Corp
General Elec Co, Apparatus Sales Div
Gyra Electronics Corp
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Perkin-Elmer Corp

O

OPTICAL INSTRUMENTS

Fisher Scientific Co

American Optical Co
Baird-Atomic, Inc
Bausch & Lomb Inc
Jarrell-Ash Co
Mast Development Co
Perkin-Elmer Corp

ORSAT APPARATUS

Fisher Scientific Co

Ellison Draft Gage Co

OSCILLOGRAPHS, RECORDING

►DRESSER ELECTRONICS

Consolidated Electrodynamics
General Elec Co, Apparatus Sales Div
Geotechnical Corp
Minneapolis-Honeywell, Industrial Products

OSCILLOMETERS

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OVENS, DRYING

Brosites Mach Corp
H Reeve Angel & Co
First Machy Corp
Fisher Scientific Co

American Industry Co
Brooklyn Blower & Pipe
Arthur Colton Co
Controlled Atmosphere Enclosures Mfg Co
Corona Mfg Corp
Despatch Oven Co
Electric Hotpack Co
Fostoria Corp
Hevi-Duty Elec Co
Kirk & Blum Mfg Co
R C Mahon Co
National Drying Machy Co
Radcor, Inc
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
Selas Corp of America
Soiltest, Inc

OVENS, ELECTRIC

Fisher Scientific Co

Arthur Colton Co
Controlled Atmosphere Enclosures Mfg Co
Corona Mfg Co
Despatch Oven Co
Electric Hotpack Co
Fostoria Corp
Hevi-Duty Elec Co
General Elec Co, Apparatus Sales Div
Kirk & Blum Mfg Co
L & L Mfg Co
Radcor, Inc
W S Rockwell Co
Soiltest, Inc

OVENS, LABORATORY

H Reeve Angel & Co
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Standard Scientific Supply Corp

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American Instrument Co
Controlled Atmosphere Enclosures Mfg Co
Denver Equipment Co
Despatch Oven Co
Electric Hotpack Co
Hevi-Duty Elec Co
Kirk & Blum Mfg Co
National Drying Machy Co
Radcor, Inc
W S Rockwell Co
Soiltest, Inc

OVENS, TEMPERING & TREATING

American Gas Furnace Co
Brooklyn Blower & Pipe
Controlled Atmosphere Enclosures Mfg Co
Despatch Oven Co
Electric Hotpack Co
Fostoria Corp
Hevi-Duty Elec Co
General Elec Co, Apparatus Sales Div
Kirk & Blum Mfg Co
L & L Mfg Co
R C Mahon Co
W S Rockwell Co
Selas Corp of America

OVENS, VACUUM

H Reeve Angel & Co
First Machy Corp
Fisher Scientific Co
Standard Scientific Supply Corp

Controlled Atmosphere Enclosures Mfg Co
F J Cooke Inc
J P Devine Mfg Co
Electric Hotpack Co
Hevi-Duty Elec Co
Kewaunee Mfg Co
W S Rockwell Co
Ernest Scott & Co
Arthur F Smith, Inc
F J Stokes Corp

OXIDIZERS

Linde Co
Nooter Corp

OZONATORS

Mast Development Co
Welsbach Corp

P

PACKAGING, ACID-RESISTING

Central Box Co
General Box Co
Indianapolis Wire Bound Box Co
MRM Co
Protective Lining Corp
Raymond Bag Corp

PACKAGING EQUIPMENT MACHINES

First Machy Corp
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Better Packages
Consolidated Packaging Machy Corp
FMC Packaging Machy Div
Gray Co
B F Gump Co
MRM Co
G Diehl Mateer Co
St Regis Paper Co
Stainless & Steel Products Co

PACKERS, BAG

First Machy Corp

Ajax Flexible Coupling Co
Belmont Burlap Bag Co
Bemis Bro Bag Co
B F Gump Co
S Howes Co
Kraft Bag Div
Richardson Scale Co
St Regis Paper Co
Syntron Co

PACKERS, BARREL

First Machy Corp

Ajax Flexible Coupling Co
Derrick Mfg Co
B F Gump Co
S Howes Co
Richardson Scale Co
Syntron Co

PACKINGS, ASBESTOS

►GOODALL RUBBER CO
►JOHNS-MANVILLE
United States Rubber Co, Textile Div

Durametallic Corp
B F Goodrich Industrial Prod Co
Greene, Tweed & Co
Haveg Industries
Hollow Center Packing Co
Keasbey & Mattison Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan

PACKINGS, CARBON

►JOHNS-MANVILLE

American Felt Co
Falls Industries
Greene, Tweed & Co
Raybestos-Manhattan

PACKINGS, FLUOROPLASTIC

►JOHNS-MANVILLE

Chemical & Power Products
Chicago Gasket Co
Garlock Inc
Greene, Tweed & Co
Polymer Corp
Raybestos-Manhattan
Sterling Packing & Gasket Co
Tri-Point Plastics Inc

PACKINGS, HYDRAULIC

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Chemical & Power Products
Chicago-Allis Mfg Corp
Durametallic Corp
Garlock Inc
Goshen Rubber Co
Greene,Tweed & Co
Hollow Center Packing Co
E F Houghton & Co
Raybestos-Manhattan
Roberts Toledo Rubber Co
Sterling Packing & Gasket

PACKINGS, METALLIC

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Condenser Service & Engrg Co
Durametallic Corp
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Metal Textile Corp
Raybestos-Manhattan
Sterling Packing & Gasket Co

PACKINGS, PLASTIC

►GOODALL RUBBER CO
►JOHNS-MANVILLE

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Durametallic Corp
Garlock Inc
Geauga Industries Co
B F Goodrich Industrial Prod Co
Greene, Tweed & Co
Haveg Industries
Hollow Center Packing Co
Metal Textile Corp
Polymer Corp
Raybestos-Manhattan
Sterling Packing & Gasket Co

PACKINGS, PUMP

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Chemical & Power Products
Durametallic Corp
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Raybestos-Manhattan
Roberts Toledo Rubber Co
Sterling Packing & Gasket Co

PACKINGS, RING

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Chemical & Power Products
Garlock Inc
Goshen Rubber Co
Greene, Tweed & Co
Hollow Center Packing Co
E F Houghton & Co
Raybestos-Manhattan
Roberts Toledo Rubber Co
Sterling Packing & Gasket Co
United States Stoneware Co

PACKINGS, RUBBER

►GOODALL RUBBER CO
►JOHNS-MANVILLE

Acushnet Process Co
American Biltrite Rubber Co
Bacon Industries
Chemical & Power Products
Chicago-Allis Mfg Corp
Cincinnati Rubber Co
Colonial Rubber Co
Garlock Inc
Gates Rubber Co
Geauga Industries Co
B F Goodrich Industrial Prod Co
Goshen Rubber Co
Greene, Tweed & Co
Hewitt-Robbins
Hollow Center Packing Co
E F Houghton & Co
Mercer Rubber Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Roberts Toledo Rubber Co
Sterling Packing & Gasket Co
United States Rubber Co
United States Stoneware Co

PACKINGS, SADDLE

►JOHNS-MANVILLE

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Geene, Tweed & Co
Raybestos-Manhattan

PACKINGS, VALVE

►GOODALL RUBBER CO

Chemical & Power Products
Durametallic Corp
Garlock Inc
Greene, Tweed & Co
Hollow Center Packing Co
Raybestos-Manhattan

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Lamports Co

PAILS, FIBER, SHIPPING

Delaware Barrel & Drum Co
Ellison Draft Gage Co
Master Package Corp

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New Jersey Safety Equipment Co

American Hard Rubber Co
Automotive Rubber Co
Gates Rubber Co
Luzerne Rubber Co

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Delaware Barrel & Drum Co
Geuder, Paeschke & Frey Co
Inland Steel Container Co
Ohio Corrugating Co
Rheem Mfg Co, Container Div
Southline Metal Products Co
Terriss-Consolidated Industries
U S Steel Products Div
Vulcan Containers
Vulcan Containers Pacific

PAILS, RUBBER & DUCK

►GOODALL RUBBER CO

PAILS, STEEL, SHIPPING

Ellisco Inc
Geuder, Paeschke & Frey Co
Inland Steel Container Co
National Can Corp
Ohio Corrugating Co
Rheem Mfg Co, Container Div
U S Hoffman Can Corp
U S Steel Products Div
Vulcan Containers
Vulcan Containers Pacific

PAINT MIXING MACHINERY

J H Day Co Div
First Machy Corp

Baker Perkins
Chemicolloid Labs
Chemineer Inc
Gifford-Wood Co
Industrial Process Engrs
Kinetic Dispersion Corp
Mixing Equipment Co
Patterson Foundry & Mach Co
Charles Ross & Son Co

PALLET LOADERS, AUTOMATIC

Alvey Conveyor Mfg Co
Continental Boiler & Sheet Iron Works
Baughman Mfg Co
Standard Conveyor Co

PALLET LOADERS, SEMIAUTOMATIC

Continental Boiler & Sheet Iron Works
Revolvator Co
Standard Conveyor Co

PANELS, INSTRUMENT

►FULLER CO

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Cochrane Div
Cutler-Hammer Inc
Eclipse Fuel Engrg Co, Combustion Div
Falstrom Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Kirk & Blum Mfg Co
Minneapolis-Honeywell, Industrial Products
Leeds & Northrup Co
Moore Products Co
Permutit Co
Edw Renneburg & Sons Co
Research-Cottrell
Simpson Elec Co
Thermo Elec Co

PANS, CRYSTALLIZING

First Machy Corp

Buflovak Equipment Div
Stearns-Roger Mfg Co

PANS, MIXING

Bonnet Co
First Machy Corp

Boardman Co
Arthur Colton Co
International Engrg
Charles Ross & Son Co
Patterson Foundry & Mach Co
Stedman Foundry & Mach Co

PANS, STEAM-JACKETED

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
J P Devine Mfg Co
Graver Tank & Mfg Co
Knapp Mills Inc
Nooter Corp
Edw Renneburg & Sons Co

PANS, VACUUM

First Machy Corp

Artisan Metal Products
Buffalo Forge Co
Buflovak Equipment Div
Matt Corcoran Co
J P Devine Mfg Co
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Knapp Mills Inc
Nooter Corp
Joseph Oat & Sons
Charles Ross & Son Co
Ernest Scott & Co
Stearns-Roger Mfg Co
Vulcan Mfg

PAPER, BLEACHED SULPHATE BOARD

Union Bag-Camp Paper Corp

Gilman Paper Co
International Paper Co
St Regis Paper Co
Owens-Illinois Glass Co, Mill Div

PAPER, CREPED KRAFT

►CHASE BAG CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Continental Can Co, Containerboard & Kraft Paper Div
Gilman Paper Co
International Paper Co
St Regis Paper Co
West Virginia Pulp & Paper, Multiwall Bag Div

PAPER, INSULATING

Philip Carey Mfg Co
►JOHNS-MANVILLE

Gilman Paper Co
Keasbey & Mattison Co
MSA Research Corp
RC Can Co

PAPER, TWISTED

►CHASE BAG CO

Belmont Burlap Bag Co
Cellucord Corp
Cromwell Paper Co
Gilman Paper Co

PAPER, WATERPROOF

►CHASE BAG CO
Union Bag-Camp Paper Corp

Belmont Burlap Bag Co
Gaylord Container Div
International Paper Co
Owens-Illinois Glass Co, Mill Div

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Cleveland Mixer Co
J P Devine Mfg Co
Gray Co
Industrial Process Engrs
Kinetic Dispersion Corp
Mixing Equipment Co
Patterson Foundry & Mach Co
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp

PASTEURIZERS

Arthur F Smith, Inc

PELLETIZERS

Bonnet Co
First Machy Corp

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Dravo Corp
General American Transportation Corp
Hardinge Co
Kennedy Van Saun Mfg & Engrg Corp
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Franklin P Miller & Son
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
F J Stokes Corp

PERCOLATORS

Vulcan Mfg

pH COLORIMETER

Fisher Scientific Co

Culligan, Inc
Minneapolis-Honeywell, Industrial Products
W A Taylor & Co
Wallace & Tiernan Inc

pH CONTROL APPARATUS

L-A Water Conditioning Inc

BIF Industries
Bailey Meter Co
Bristol Co
Cambridge Instrument Co
Culligan, Inc
Foxboro Co
LaMotte Chem Products
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
W A Taylor & Co

pH MEASURING & RECORDING INSTRUMENTS

Fisher Scientific Co

Analytical Measurements
BIF Industries
Bailey Meter Co
Beckman Instruments, Scientific & Process Instruments Div
Bristol Co
Cambridge Instrument Co
Culligan, Inc
Foxboro Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Sel-Rex Corp
Thermo Elec Co

PHOTOMETERS

Fisher Scientific Co

Baird-Atomic, Inc
Coleman Instruments

PHOTOMETERS, LIGHT TRANSMISSION

Fisher Scientific Co

General Electric Co, Apparatus Sales Div

PHOTOMICROGRAPHIC EQUIPMENT

Fisher Scientific Co

Bausch & Lomb Inc

PILL MACHINERY

Arthur Colton Co
Charles Ross & Son Co

PILLOW BLOCKS

Chain Belt Co
Davis Foundry & Mach Works
Dodge Mfg Corp
Heil Process Equipment
Hewitt-Robins
Link-Belt Co
SKF Industries
Stephens-Adamson Mfg Co

PIPE, ACID RESISTING

Dow Chem Co
►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
American Hard Rubber Co
American Smelting & Refining Co
Ampco Metal
Anaconda American Brass Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
A M Byers Co
Calorizing Co
Chase Chem Corp
Chemical & Power Products
Colonial Plastics Mfg Co
Corning Glass Works
Crucible Steel Co of America
Division Lead Co
Duriron Co
Esco Corp
Evanite Plastic Co
Evans Pipe Co
Falls Industries
Fischer & Porter Co
B F Goodrich Industrial Prod Co
Haveg Industries
Haynes Stellite Co
Heil Process Equipment Corp
Huntington Alloy Products Div
Logan Clay Products Co
Luzerne Rubber Co
Nalge Co
National Carbon Co
Pfaudler Co Div
Polymer Corp
Reliance Plastic & Chem Corp
Republic Steel Corp, Steel & Tubes Div
Resistoflex Corp
Revere Copper & Brass
Robinson Clay Product Co
A O Smith Corp
Spiral-Glas Pipe Co
Stainless Products
Trent Tube Co
Union Steel Corp
United States Stoneware
Wolverine Tube Div

PIPE, ALUMINUM BRONZE

Allied Steel Products Corp
Ampco Metal
Heil Process Equipment
Revere Copper & Brass

PIPE, ASBESTOS CEMENT

►JOHNS-MANVILLE

Brady Conveyors Corp
Haveg Industries
Keasbey & Mattison Co

PIPE, CAST IRON

U S Pipe & Foundry Co

Acipco Steel Products Div

PIPE, CLAY, VITRIFIED

Evans Pipe Co
A P Green Fire Brick Co
Logan Clay Products Co
Robinson Clay Product Co

PIPE, COPPER

Allied Steel Products Corp
Anaconda American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Falls Industries
Joseph Oat & Sons
Revere Copper & Brass
Wolverine Tube Div

PIPE, CORROSION RESISTING

Dow Chem Co
►JOHNS-MANVILLE
►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
Aluminum Co of America
Amercoat Corp
American Smelting & Refining Co
Ampco Metal
Anaconda American Brass Co
Automotive Rubber Co
Babcock & Wilcox Co, Tubular Products Div
Carl N Beetle Plastics Corp
J Bishop & Co Platinum Works
Bridgeport Brass Co
A M Byers Co
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Chase Chem Corp
Chemical & Power Products
Colonial Plastics Mfg Co
Corning Glass Works
Crucible Steel Co of America
Duriron Co
Esco Corp
Evans Pipe Co
Falls Industries
Fischer & Porter Co
B F Goodrich Industrial Products Co
Greenville Tubes, Inc
Haveg Industries
Haynes Stellite Co
Heil Process Equipment Corp
Huntington Alloy Products Div
Logan Clay Products Co
Luzerne Rubber Co
W K Mitchell & Co
Naige Co
National Carbon Co
Joseph Oat & Sons
Pfaudler Co Div
Polymer Corp
Reliance Plastic & Chem Corp
Republic Steel Corp, Steel & Tubes Div
Resistoflex Corp
Revere Copper & Brass
Robinson Clay Product Co
Spiral-Glas Pipe Co
Union Steel Corp
United States Stoneware Co
Wolverine Tube Div

PIPE COVERINGS, MAGNESIA

Philip Carey Mfg Co
►JOHNS-MANVILLE

Eagle-Picher Co

PIPE, FLANGED

Acipco Steel Products Div
Alco Products
Allied Steel Products Corp
Automotive Rubber Co
Colonial Plastics Mfg Co
Continental Boiler & Sheet Iron Works
Crane Co
Duriron Co
Esco Corp
B F Goodrich Industrial Products Co
Luzerne Rubber Co
W K Mitchell & Co
Myers Sherman Co
Spiral-Glas Pipe Co
Stainless Products, Inc

PIPE, GLASS

Corning Glass Works
Fischer & Porter Co

PIPE, GLASS LINED

Bishopric Products Co
Pfaudler Co Div
A O Smith Corp

PIPE, GRAPHITE

Carbone Corp
Falls Industries
National Carbon Co
Heil Process Equipment Corp

PIPE, HARD RUBBER

►GOODALL RUBBER CO

American Hard Rubber Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Luzerne Rubber Co
Mercer Rubber Co
Roberts Toledo Rubber Co
United States Rubber Co

PIPE, HEAT RESISTING

►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
American Hard Rubber Co
Calorizing Co
Carpenter Steel Co
Crucible Steel Co of America
Esco Corp
Greenville Tubes, Inc
Huntington Alloy Products Div
Haynes Stellite Co
Luzerne Rubber Co
W K Mitchell & Co
Pfaudler Co Div
Republic Steel Corp, Steel & Tubes Div
W G Rovang & Assoc
Stainless Products, Inc
Union Steel Corp
Wolverine Tube Div

PIPE, LEAD

American Smelting & Refining Co
Heil Process Equipment Corp
Division Lead Co
Hauser-Stander Tank Co
Knapp Mills Inc

PIPE, NICKEL & NICKEL ALLOY

►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co, Platinum Works
Bridgeport Brass Co
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Continental Boiler & Sheet Iron Works
Crucible Steel Co of America
Greenville Tubes, Inc
Haynes Stellite Co
Huntington Alloy Products Div
W G Rovang & Assoc
Stainless Products, Inc

PIPE, PLASTIC

Dow Chem Co
Du Verre, Inc
►JOHNS-MANVILLE
L-A Water Conditioning Inc

Alpha Plastics
American Hard Rubber Co
Carl N Beetle Plastics Corp
A M Byers Co
Crane Co
Chemical & Power Products
Colonial Plastics Mfg Co
Evanite Plastic Co
Fibercast Co
B F Goodrich Industrial Prod Co
Grinnell Co
Haveg Industries
Heil Process Equipment Corp
Keasbey & Mattison Co
Luzerne Rubber Co
Naige Co
Polymer Corp
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Steel Corp
Resistoflex Corp
Spiral-Glas Pipe Co
St Regis Paper Co
Stainless Products, Inc
United States Rubber Co

PIPE, PORCELAIN

Haveg Industries
United States Stoneware Co

PIPE, RESIN-BONDED FIBERGLASS

Amercoat Corp
Arrow Tank Co
Carl N Beetle Plastics Corp
Heil Process Equipment Corp
Spiral-Glas Pipe Co

PIPE, RUBBER LINED

►GOODALL RUBBER CO

American Hard Rubber Co
Automotive Rubber Co
Chase Chem Corp
Galigher Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Luzerne Rubber Co
Heil Process Equipment Corp
Industrial Filter & Pump Mfg Co
Mercer Rubber Co
W K Mitchell & Co
Raybestos-Manhattan

PIPE, STAINLESS STEEL

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
Babcock & Wilcox Co, Tubular Products Div
Badger Mfg Co
J Bishop & Co Platinum Works
S Blickman, Inc
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Esco Corp
Greenville Tubes, Inc
Myers Sherman Co
Republic Steel Corp, Steel & Tubes Div
W G Rovang & Assoc
Stainless Products, Inc
Trent Tube Co
Union Steel Corp

PIPE, STEAM-JACKETED

Hetherington & Berner

Allied Steel Products Corp
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
W K Mitchell & Co
Joseph Oat & Sons
Parks-Cramer Co
Red Jacket Co
W G Rovang & Assoc
Stainless Products, Inc

PIPE, STEEL

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Acipco Steel Products Div
Alco Products
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
Esco Corp
Crucible Steel Co of America
Myers Sherman Co
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Republic Steel Corp

PIPE, STONEWARE

A M Byers Co
Crane Co
United States Stoneware Co

PIPE, WOOD

Arrow Tank Co
Hauser-Stander Tank Co
Marley Co
Wendnagel & Co

PIPE, WROUGHT IRON

A M Byers Co

PIPETTES, AUTOMATIC

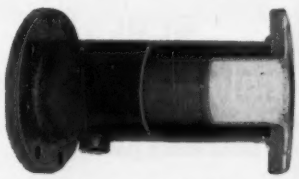
Standard Scientific Supply Corp

Palo Lab Supplies
Posey Iron Works

PIPING, PREFABRICATED

►SWEPCO TUBE CORP

Alco Products
Allied Steel Products Corp
Ampco Metal
Artisan Metal Products
Automotive Rubber Co
Bethlehem Steel Co
Colonial Plastics Mfg Co
Continental Boiler & Sheet Iron Works
Grinnell Co
Haveg Industries
Industrial Process Engrs
M W Kellogg Co
Midwest Piping Co
W K Mitchell & Co
Myers Sherman Co
Joseph Oat & Sons
Pfaudler Co Div
Resistoflex Corp
Spiral-Glas Pipe Co
Stainless Products, Inc
Stearns-Roger Mfg Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co

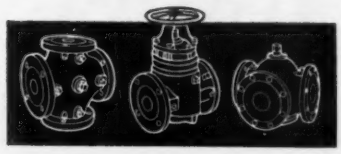


H&B ESTABLISHED 1889

Jacketed Pipe and Fittings

H & B fully jacketed prefabricated pipe is made to your exact requirements. The above cutaway illustrates H & B's standard jacketed pipe and welded steel fitting construction, designed to allow complete jacketing of the product pipe. Special jigs and fixtures enable H & B to insure uniformity of the jacket area in relation to the OD of the product line and the ID of the jacket pipe. H & B jacketed fittings are available in either cast iron, ductile, steel, or stainless steel as well as fabricated. Write for Bulletin J-57.

HETHERINGTON & BERNER INC.
701-45 Kentucky Ave., Indianapolis 7, Ind.
(Wholly Owned Subsidiary of American Hoist & Derrick Co.)



PLANTS, DESIGN & CONSTRUCTION

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
E J Corell
Standard Steel Corp

Aries Assoc, Inc
Artisan Industries, Inc
Atlantic Research Corp
Badger Mfg Co
Barail Assoc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
J C Carlisle Corp
Catalytic Construction Co
Chemical & Industrial Corp
Colburn Labs
Comonwealth Engrg Co of Ohio
Crawford & Russell
Cunningham-Limp Co
Dallas Assoc Labs
Davidson-Kennedy Co
Dorr-Oliver Inc
Dravo Corp
Ebasco Services
Engineering Assoc
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Galigher Co
Gas Equipment Engrg Assoc
General American Transportation Corp
Gibbs & Hill
Heyward-Robinson Co
Holmes & Narver, Inc
Hydrocarbon Research, Inc
Jacobs Engrg Co
K & H Engrg Co
Kaiser Engrg Co
M W Kellogg Co
Kelvin Engrg Co
Kennedy Van Saun Mfg & Engrg Corp
Koppers Co, Inc, Engrg & Construction Div
Kuljian Corp
Leonard Construction Co
J D Leonard & Assoc
Arthur D Little, Inc
Litvin Engrg Co
R B MacMullin Assoc
Chas T Main, Inc
J C Mantell & Assoc
John W McCutcheon
McDowell-Wellman
Arthur G McKee & Co
R E Moyer, Inc
Ralph M Parsons Co
Petrocarb, Inc
Pfaudler Div
Podbielniak, Inc
Process Engrg & Machine Co
Procon Inc
Scientific Design Co
Singmaster & Breyer
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Tellepsen Petro-Chem Constructors
John I Thompson & Co
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Truman B Wayne & Constructors
John M Weiss & Co
Wigton-Abbott Corp
Wurster & Sanger

DESIGN
TROUBLE SHOOTING
IMPROVEMENTS

Heavy Chemicals

Soda Ash — Chlorine
Caustic Soda —

Calcium Chloride
Chlorinated Solvents —
(such as Perchorethylene and Carbon Tetrachloride)

Carbon Dioxide
Refined Bicarbonate of Soda
Bleach — Pigments
Sodium Silicate

E. J. CORELL
Engineer
413 Rose Boulevard, Akron 20, Ohio
Temple 6-4271

PLASTIC MOLDED PARTS

Du Verre, Inc
►JOHNS-MANVILLE

Carl N Beetle Plastics Corp
Chemical & Power Products
Colonial Plastics Mfg Co
Delaware Barrel & Drum Co
Garlock Inc
General American Transportation Corp
General Box Co
B F Goodrich Industrial Prod Co
H N Hartwell & Son
Haveg Industries
Luzerne Rubber Co
Nalge Co
Owens-Illinois Glass Co, Closure & Plastics Div
Polymer Corp
Raybestos-Manhattan
St Regis Paper Co
Tri-Point Plastics Inc
United States Rubber Co
United States Stoneware Co
Wyatt Metal & Boiler Works Div

PLASTIC SHEETING, VINYL

Amercoat Corp
American Hard Rubber Co
Colonial Plastics Div
Gering Plastics Div
B F Goodrich Industrial Prod Co
Knapp Mills Inc
Luzerne Rubber Co
Pelamay Products
Protective Lining Corp
Reliance Plastic & Chem Corp
United States Stoneware Co

PLATES, MAGNETIC

Emerson Mfg Co
Eriez Mfg Co

PLATFORMS, TANK, LOADING

Boardman Co
Wheaton Brass Works

PLATFORMS, WORK

Ballymore Co
Boardman Co
Hodgson Engrg & Mfg Co
Logan Co

PLATING EQUIPMENT

►METAL & THERMIT CORP

Anaconda American Brass Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Belmont Burlap Bag Co
Heil Process Equipment Corp
Sel-Rex Corp

PLUGS

American Flange & Mfg Co
Ampco Metal
Anaconda American Brass Co
Colonial Plastics Mfg Co
Division Lead Co
Ladish Co
H K Porter Co, Forge & Fittings Div

PNEUMATIC DISPATCH SYSTEMS

Minneapolis-Honeywell, Industrial Products
Standard Conveyor Co

POLOGRAPHS

Fisher Scientific Co
Standard Scientific Supply Corp

PONDS, SPRAY

Arrow Tank Co
Marley Co

PORCELAIN, ACID-PROOF

Electro-Ceramics, Inc
Patterson Foundry & Mach Co
Filtros, Inc
United States Stoneware Co

PORCELAIN EQUIPMENT

Electro-Ceramics, Inc
United States Stoneware

PORCELAIN LINING & BALLS

Paul O Abbe Inc

McDaniel Refractory Porcelain Co
Patterson Foundry & Mach Co
Star Porcelain Co
United States Stoneware Co

PORCELAIN WARE

Fisher Scientific Co
Standard Scientific Supply Corp

Electro-Ceramics, Inc
Filtros Inc
Kalamazoo Tank & Silo Co
Star Porcelain Co
United States Stoneware Co

POTENTIOMETERS

Beckman Instruments, Helipot Div
Bristol Co
Carrier Corp
General Elec Co, Apparatus Sales Div
Foxboro Co
Perkin-Elmer Corp
Thermo Elec Co
Williamson Development Co

POTS, HEATED, ELECTRICALLY

Bethlehem Foundry & Mach Co
Waage Elec Inc
General Elec Co, Apparatus Sales Div
Edwin L Wiegand Co

POTS, MELTING

Allied Steel Products Corp
American Gas Furnace Co
Bethlehem Steel Co
Calorizing Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Eclipse Fuel Engrg Co, Combustion Div
Electro Refractories & Abrasives Corp
General American Transportation Corp
General Elec Co, Apparatus Sales Div
Goslin-Birmingham Mfg
Edw Renneburg & Sons
Vulcan Mfg
Waage Elec Inc
Edwin L Wiegand Co

POTS, MIXING

Allied Steel Products Corp
Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
General American Transportation Corp
Industrial Process Engrs
Kennedy Tank & Mfg Co
Edw Renneburg & Sons
Charles Ross & Son Co
Vulcan Mfg

POTS, NITRATING

Bethlehem Steel Co
Calorizing Co
General Elec Co, Apparatus Sales Div
Robinson Clay Product Co
Vulcan Mfg

POWER HOUSE EQUIPMENT

Allen-Sherman-Hoff Co
Bailey Meter Co
Thomas A Edison Industries
General Elec Co, Apparatus Sales Div
Jeffrey Mfg Co
Link-Belt Co
Materials Handling Equipment Co
Sharples Corp

POWER TRANSMISSION MACHINERY

Alten Foundry & Mach Works
American Pulley Co
Chain Belt Co
Cleveland Worm & Gear Div
Dodge Mfg Corp
Falk Corp
Hewitt-Robbins
Jeffrey Mfg Co
Link-Belt Co
Reliance Elec & Engrg Co
Thomas Flexible Coupling

POWER UNITS

Allis-Chalmers Mfg Co
Del Electronics Corp
Hannifin Co
Sel-Rex Corp
Multi-Amp Electronic Corp
Research-Cottrell

PREBREAKERS

Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Rietz Mfg Co
Sprout, Waldron & Co

PRECIPITATORS

Aerotec Industries
Allied Steel Products Corp
Buell Engrg Co
General American Transportation Corp
Koppers Co, Metal Products Div
Knapp Mills Inc
Link-Belt Co
Nooter Corp
Permutit Co
Research-Cottrell
Star Tank & Filter Corp
Western Precipitation Div

PREHEATERS

►FULLER CO

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Buxton Mfg Co
Condenser Service & Engrg Co
Matt Corcoran Co
De Laval Separator Co
Downingtown Iron Works
Foster Wheeler Corp
Goslin-Birmingham Mfg Co
Heatron Inc
M W Kellogg Co
Kennedy Van Saun Mfg & Engrg Corp
Leader Iron Works
Narda Ultrasonics Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

National-U S Radiator Corp
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Reeve Electronics
Fred H Schaub Engrg Co
Southwestern Engrg Co
Submerged Combustion
Thermal Research & Engrg Corp
Vulcan Mfg
Whitlock Mfg Co
Edwin L Wiegand Co
Wyatt Metal & Boiler Works Div

PREHEATERS, AIR

►FULLER CO

Aerotec Industries
Bethlehem Steel Co
Boardman Co
Bros, Inc
Buxton Mfg Co
Combustion Engrg
Condenser Service & Engrg Co
Erie City Iron Works
Farris Engrg Corp
Foster Wheeler Corp
Griscom-Russell Co
Heatron Inc
M W Kellogg Co
National-U S Radiator Corp
Nooter Corp
Edw Renneburg & Sons Co
Riley Stoker Corp
Southwestern Engrg Co
Submerged Combustion
Thermal Research & Engrg Corp
Todd Shipyards Corp
Trane Co
Westinghouse Elec Co
Whitlock Mfg Co
Edwin L Wiegand Co

PRESSES, BATCH

F J Stokes Corp

PRESSES, BRIQUETTING

Bonnot Co
First Machy Corp
International Engrg
F J Stokes Corp

PRESSES, CONTINUOUS

Bonnot Co
General American Transportation Corp
V D Anderson Co

PRESSES, DEWATERING

First Machy Corp
V D Anderson Co
General American Transportation Corp
Edw Renneburg & Sons Co
Sharples Corp
Stearns-Roger Mfg Co

PRESSES, DRAWING

E W Bliss Co
Hannifin Co
Cleveland Crane & Engrg Co

PRESSES, EXTRUDING

Bonnot Co
First Machy Corp
E W Bliss Co
Cleveland Crane & Engrg Co
J C Corrigan Co
International Engrg

PRESSES, HYDRAULIC

First Machy Corp
Bethlehem Steel Co
E W Bliss Co
Cleveland Crane & Engrg Co
Esco Corp
Galland-Henning Mfg Co
Hannifin Co
Soiltest, Inc
F J Stokes Corp
Wabash Metal Products Co

PRESSES, MOLDING

Bresites Mach Co
E W Bliss Co
Durametallic Corp
Hannifin Co
F J Stokes Corp
Wabash Metal Products Co

PRESSURE RELIEF DEVICES

Crosby Valve & Gage Co
Falls Industries
Fisher Governor Co
Hoke Inc
Klipfel Valves Inc
Manning, Maxwell & Moore, Inc
Scott Aviation Corp

PRESSURE VESSELS

First Machy Corp
Standard Steel Corp
►HENRY VOGT MACH CO
Alco Products
Allied Steel Products Corp
Alloy Products Corp
Alten Foundry & Mach Works
American Car & Foundry Div
Artisan Metal Products
Autoclave Engrs Sales Corp
Automotive Rubber Co
Baker Perkins
Bethlehem Steel Co
Bishopric Products Co
S Blickman, Inc
Brighton Corp
Bros, Inc
Buflovak Equipment Div
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Combustion Engrg
Matt Corcoran Co
J P Devine Mfg Co
Delta Tank Mfg Co
Engineering Controls
Falls Industries
Flint Steel Mfg Co
Foster Wheeler Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Haveg Industries
Hoke Inc
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
E Keeler Co
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Parr Instrument Co
Patterson Foundry & Mach Co
Claude B Schneible Co
A O Smith Corp
Stainless Products
Star Tank & Filter Corp
Stover Co
Struthers Wells Corp
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Union Iron Works
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

PROCESSING UNITS, HORIZONTAL

Bonnot Co
Heyl & Patterson, Inc
Allied Steel Products Corp
Artisan Metal Products
Bishopric Products Co
Chemicolloid Labs Inc
Delta Tank Mfg Co
J P Devine Mfg Co
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Kennedy Tank & Mfg Co
Nooter Corp
Patterson Foundry & Mach Co
Sharples Corp
Star Tank & Filter Corp
Struthers Wells Corp
Trinity Steel Co
Vulcan Mfg

PROCESSING UNITS, PHOTOGRAPHIC

Eastman Kodak Co
Artisan Metal Products
Consolidated Electrodynamics Corp
Geotechnical Corp
Edw Renneburg & Sons Co

PROJECTORS, GAMMA RAY

Knapp Mills Inc

PROPELLERS

Buffalo Forge Co
Cleveland Mixer Co
Haveg Industries
Star Tank & Filter Corp
Terriss-Consolidated Industries

PROPORTIONING SYSTEMS, REMOTE WEIGHT

►HOWE SCALE CO
Blackmer Pump Co
Foxboro Co
Gray Co
B F Gump Co
Jeffrey Mfg Co
Jordan Controls
M-D Blowers, Inc
G Diehl Mateer Co
Merrick Scale Mfg Co
Republic Flow Meters Co
Richardson Scale Co
Toledo Scale

PSYCHROMETERS

Fisher Scientific Co
Precision Thermometer & Instrument Co
Bristol Co

PULLEYS

American Pulley Co
Chain Belt Co
Dodge Mfg Corp
Great Western Mfg Co
Hewitt-Robins
Island Equipment Corp
Jeffrey Mfg Co
Lippmann Engrg Works
New London Engrg Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Worthington Corp

PULLEYS, MAGNETIC

Eriez Mfg Co

PULLEYS, REDUCTION

Link-Belt Co
Worthington Corp

PULLEYS, VARIABLE SPEED

Dodge Mfg Corp
Gates Rubber Co
Link-Belt Co

PULVERIZERS

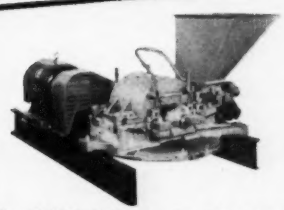
Pulva Corp
Abbe Engrg Co
Allis-Chalmers Mfg Co
American Pulverizer Co
Bros, Inc
Buffalo Hammer Mill Corp
Combustion Engrg, Raymond Div
Entoleter, Inc
Erie City Iron Works
Foster Wheeler Corp
Gruendler Crusher & Pulverizer Co
T J Gundlach Mach Co
Jeffrey Mfg Co
Kennedy Van Saun Mfg & Engrg Corp
Lippmann Engrg Works
Majac, Inc
Manitowoc Shipbuilding, Inc
Franklin P Miller & Son
Pulverizing Machy Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Riley Stoker Corp
Charles Ross & Son Co
Sarco Co
F L Smidth & Co
Southwestern Engrg Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co
Worthington Corp

PUMPS, ACID-RESISTING

Dow Chem Co
Eastern Industries
First Machy Corp
Fisher Scientific Co
New Jersey Safety Equipment Co
Aldrich Pump Co
Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Hard Rubber Co
American Meter Co, Pump Div
Ampco Metal
Aurora Pump Div
John Bean Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Clark-Cooper Co
Cooper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Dorr-Oliver Inc
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Falls Industries
Flood City Brass & Elec Co
Fostoria Corp, Chempump Div
Galigher Co
Gorman Rupp Co
Goulds Pumps
Gray Co
Haveg Industries
Hills-McCanna Co
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Lawrence Pumps
Lecourtenay Co
C W Logeman Co
Luzerne Rubber Co
Manton-Gaulin Mfg Co

(Continued)

THE PULVA-SIZER®
A SIZE AND TYPE TO MEET YOUR REQUIREMENTS
FINE GRINDING
DISPERSING
BLENDING
CLOSE PARTICLE CONTROL



The PULVA-SIZER is the ultimate in high-speed hammer mill design. It is a complete grinding unit for dustless, trouble-free, continuous, controlled grinding. Available in five sizes.
WRITE FOR DESCRIPTIVE CATALOG No. 6004
Representatives in major cities
PULVA Corporation
614 High Street Perth Amboy, N. J.

PUMPS, ACID-RESISTING (continued)

Milton Roy Co
Mission Mfg Co
Nagle Pumps, Inc
Nash Engrg Co
National Carbon Co
Neptune Pump Mfg Co
Pacific Pumps, Inc
Pacific Pumping Co
RKL Controls, Inc
Robbins & Myers, Moyno Pump Div
T Shriver & Co
Sier-Bath Gear & Pump Co
Sigmamotor, Inc
Taber Pump Co
United States Stoneware Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
A R Wilfley & Sons Inc
Worthington Corp

PUMPS, AIR MOTOR OPERATED

Eastern Industries

American Meter Co, Pump Div
Borg-Warner Mechanical Seals
Chicago Pneumatic Tool Co
Clark-Cooper Co
Cleco Air Tools Div
Cooper Alloy Corp
Eco Engrg Co
Gray Co
Hills-McCanna Co
Lawrence Pumps
Lincoln Engrg Co
M-D Blowers, Inc
Marlow Pumps
Milton Roy Co
H K Porter Co, Forge & Fittings Div
Pressure Products Industries
Ruthman Machy Co
Sigmamotor, Inc
Stewart-Warner Corp, Alemite Div
Taber Pump Co
Viking Pump Co

PUMPS, AXIAL FLOW

Allis-Chalmers Mfg Co
Bingham Pump Co
Buffalo Meter Co
Cooper Alloy Corp
Fairbanks, Morse & Co
Ingersoll-Rand Co
Lawrence Pumps
Pacific Pumping Co
Pacific Pumps
Peerless Pump, Hydrodynamics Div
Robbins & Myers
Sier-Bath Gear & Pump Co
Warren Pumps
C H Wheeler Mfg Co

PUMPS, BOILER FEED

Eastern Industries

Aldrich Pump Co
Allis-Chalmers Mfg Co
Aurora Pump Div
John Bean Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Dean Bros Pumps
Eclipse Fuel Engrg Co, Boiler Div
Fairbanks, Morse & Co
Foster Wheeler Corp
Fostoria Corp, Chempump Div
Gardner-Denver Co
Griscom-Russell Co
Goulds Pumps
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Johnson Corp
Lecourtenay Co
Milton Roy Co
Nash Engrg Co
Neptune Pump Mfg Co
Pacific Pumping Co
Pennsylvania Pump & Compressor Co
Robbins & Myers, Moyno Pump Div
Fred H Schaub Engrg Co
Warren Pumps
Worthington Corp

PUMPS, CANNED

Allis-Chalmers Mfg Co
Aisop Engrg Corp
Borg-Warner Mechanical Seals
Buffalo Forge Co
Fostoria Corp, Chempump Div
General Elec Co, Apparatus Sales Div
Goulds Pumps
Heatron, Inc
Ingersoll-Rand Co
Byron Jackson Pumps
Robbins & Myers, Moyno Pump Div
C E Squires Co
C H Wheeler Mfg Co

PUMPS, CENTRIFUGAL

Eastern Industries
First Machy Corp

Allis-Chalmers Mfg Co
Aisop Engrg Corp
American Hard Rubber Co
Ampco Metal
Aurora Pump Div
Bell & Gossett Co
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Buffalo Meter Co
Carver Pump Co
Chain Belt Co
Cooper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Dorr-Oliver Inc
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Falls Industries
Flood City Brass & Elec Co
Foster Wheeler Corp
Fostoria Corp, Chempump Div
Gallgher Co
Gardner-Denver Lab
Gorman-Rupp Co
Goulds Pumps
Heatron, Inc
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps
Kenco Pump Div
Klipfel Valve Div
Ladish Co, Tri-Clover Div
Lawrence Pumps
Lecourtenay Co
Luzerne Rubber Co
Marlow Pumps
Mission Mfg Co
Nagle Pumps Inc
National Carbon Co
Neptune Pump Mfg Co
Pacific Pumping Co
Peerless Pump, Hydrodynamics Div
Pennsylvania Pump & Compressor Co
Pfaudler Co Div
Ruthman Machy Co
St Regis Paper Co
Taber Pump Co
Thompson Mfg Co
Warren Pumps
Wemco Div, Western Machy Co
C H Wheeler Mfg Co
A R Wilfley & Sons Inc
Worthington Corp

PUMPS, CENTRIFUGAL, PACKINGLESS

Eastern Industries

Allis-Chalmers Mfg Co
Aisop Engrg Corp
American Hard Rubber Co
Aurora Pump Div
Bell & Gossett Co
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Denver Equipment Co
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Gallgher Co
Goulds Pumps
Heatron, Inc
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Marlow Pumps
Pacific Pumping Co
Robbins & Myers, Moyno Pump Div
Ruthman Machy Co
Vic Mfg Co
A R Wilfley & Sons Inc

PUMPS, CENTRIFUGAL STOCK

Eastern Industries

Allis-Chalmers Mfg Co
Ampco Metal
Aurora Pump Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Denver Equipment Co
Dorr-Oliver Inc
Duriron Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Falls Industries
Fostoria Corp
Gorman-Rupp Co
Goulds Pumps
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Marlow Pumps
Mission Mfg Co
Taber Pump Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, CONDENSATION

Allis-Chalmers Mfg Co
Aurora Pump Div
John Bean Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Carver Pump Co
Cochrane Div
Dean Bros Pumps
Eclipse Fuel Engrg Co, Boiler Div
Fairbanks, Morse & Co
Foster Wheeler Corp
Fostoria Corp, Chempump Div
Goulds Pumps
General Elec Co, Apparatus Sales Div
Ingersoll-Rand Co
Byron Jackson Pumps
Johnson Corp
Klipfel Valve Div
Nash Engrg Co
Pacific Pumping Co
Pennsylvania Pump & Compressor Co
Fred H Schaub Engrg Co
Taber Pump Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, CONTROLLED VOLUME

Brosites Mach Co
Eastern Industries

Aldrich Pump Co
Allis-Chalmers Mfg Co
Airmatic Valve
American Meter Co, Pump Div
BIF Industries
John Bean Div
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Clark-Cooper Div
Denver Equipment Co
Hills-McCanna Co
Manton-Gaulin Mfg Co
Mast Development Co
Milton Roy Co
Neptune Pump Mfg Co
Pacific Pumping Co
RKL Controls, Inc
Robbins & Myers, Moyno Pump Div
T Shriver & Co
Sigmamotor, Inc
Arthur F Smith, Inc
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps

PUMPS, DEWATERING

Allis-Chalmers Mfg Co
Aurora Pump Div
Borg-Warner Mechanical Seals
Carver Pump Co
Chain Belt Co
Chicago Pneumatic Tool Co
Fairbanks, Morse & Co
Foster Wheeler Corp
Fostoria Corp, Chempump Div
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Bryon Jackson Pumps
Kenco Pump Div
Lawrence Pumps
Lecourtenay Co
Marlow Pumps
Mission Mfg Co
Nagle Pumps Inc
Nash Engrg Co
Pacific Pumping Co
Pacific Pumps
Pennsylvania Pump & Compressor Co
Claude B Schneible Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, DIAPHRAGM

Brosites Mach Co

American Instrument Co
BIF Industries
Carver Pump Co
Chain Belt Co
Denver Equipment Co
Dorr-Oliver Inc
Geotechnical Corp
Gray Co
Komline-Sanderson Engrg Corp
Hills-McCanna Co
Manzel Unit
Marlow Pumps
Milton Roy Co
Pressure Products Industries
T Shriver & Co
Wallace & Tiernan Inc
Worthington Corp

PUMPS, DIFFUSION

Fisher Scientific Co
Standard Scientific Supply Corp

Goulds Pumps
Ingersoll-Rand Co
Precision Distillation Apparatus Co
Marlow Pumps
Arthur F Smith, Inc
F J Stokes Corp

PUMPS, DIRECT FLOW

Eastern Industries

Aldrich Pump Co
Buffalo Meter Co
Dean Bros Pumps
Fairbanks, Morse & Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps
M-D Blowers, Inc
Manton-Gaulin Mfg Co
Marlow Pumps
Warren Pumps

PUMPS, DOUBLE SUCTION

Eastern Industries

Allis-Chalmers Mfg Co
Aurora Pump Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Carver Pump Co
Fairbanks, Morse & Co,
Fostoria Corp, Chempump Div
Goulds Pumps
Granberg Corp
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Lecourtenay Co
Marlow Pumps
Nash Engrg Co
Pacific Pumping Co
Peerless Pump, Hydrodynamics Div
Pennsylvania Pump & Compressor Co
Ruthman Machy Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons, Inc
Worthington Corp
Yeomans Bros Co

PUMPS, DRUM

Blackmer Pump Co
Goulds Pumps
Gray Co
Protectoseal Co
Stewart-Warner Corp, Alemite Div
Thompson Mfg Co

PUMPS, ELECTROMAGNETIC

General Elec Co, Apparatus Sales Div
MSA Research Corp

PUMPS, ELECTRONIC

Eastern Industries

PUMPS, FILTER

Eastern Industries
Fisher Scientific Co

Aisop Engrg Corp
Ampco Metal
Aurora Pump Div
Carver Pump Co
Cooper Alloy Corp
Croll-Reynolds Engrg Co
Dean Bros Pumps
Denver Equipment Co
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Goulds Pumps
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Manzell Unit
Marlow Pumps
Mission Mfg Co
Nash Engrg Co
T Shriver & Co
Taber Pump Co
Vic Mfg Co
Viking Pump Co
Warren Pumps

PUMPS, FIRE

Allis-Chalmers Mfg Co
American LaFrance Corp
Baughman Mfg Co
John Bean Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Fairbanks, Morse & Co
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Lecourtenay Co
Marlow Pumps
Pacific Pumping Co
Peerless Pumps, Hydrodynamics Div
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, GAS

►**FULLER CO**

Blackmer Pump Co
Ingersoll-Rand Co
M-D Blowers, Inc
Marlow Pumps
Nash Engrg Co
Roots-Connersville Blower
Sutorbilt Corp
Viking Pump Co

PUMPS, GEAR

Eastern Industries

American Hard Rubber Co
Blackmer Pump Co
Buffalo Meter Co
Ertel Engrg Corp
Eco Engrg Co
Fostoria Corp, Chempump Div
Goulds Pumps
Heatron, Inc
Marlow Pumps
Mechanical Products Corp
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Arthur F Smith, Inc
Viking Pump Co
Warren Pumps
Waterous Co
Worthington Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

PUMPS, HAND

Fisher Scientific Co

Alten Foundry & Mach Works
Barnstead Still & Sterilizer Co
Blackmer Pump Co
Eastern Industries
Gray Co
Naige Co
Pacific Pumping Co
H K Porter Co, Forge & Fittings Div
Pressure Products Industries
Republic Mfg Co
Stewart-Warner Corp, Alemite Div
Thompson Mfg Co

PUMPS, HEAVY VISCOUS MATERIAL

►**FULLER CO**
Hetherington & Berner

Airmatic Valve
Aldrich Pump Co
Allis-Chalmers Mfg Co
John Bean Div
Bingham Pump Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Buffalo Meter Co
Dean Bros Pumps
Dorr-Oliver Inc
Duriron Co
Eco Engrg Co
Fairbanks, Morse & Co
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps
Komline-Sanderson Engrg Corp
Lawrence Pumps
Ladish Co, Tri-Clover Div
Lincoln Engrg Co
Manton-Gaulin Mfg Co
Marlow Pumps
Nagle Pumps, Inc
Pacific Pumps, Inc
RKL Controls, Inc
Robbins & Myers, Moyno Pumps Div
T Shriver & Co
Sier-Bath Gear & Pump Co
Stewart-Warner Corp, Alemite Div
Taber Pump Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
Waterous Co
Wemco Div, Western Machy Co
A R Wilfley & Sons, Inc
Worthington Corp
Yeomans Bros Co

PUMPS, HIGH PRESSURE

Eastern Industries
►**FULLER CO**

Aldrich Pump Co
Allis-Chalmers Mfg Co
American Instrument Co
American Meter Co, Pump Div
Aurora Pump Div
Autoclave Engrs Sales Corp
John Bean Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Dean Bros Pumps
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Gardner-Denver Co
Gorman-Rupp Co
Goulds Pumps
Gray Co
Heatron, Inc
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Lecourtenay Co
Lincoln Engrg Co
C W Logeman Co
Manton-Gaulin Mfg Co
Marlow Pumps
Neptune Pump Mfg Co
Oilgear Co
Pacific Pumping Co
H K Porter Co, Forge & Fittings Div
Pressure Products Industries
Robbins & Myers, Moyno Pumps Div
Stewart-Warner Corp, Alemite Div
Sumco Engrg, Inc
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, HIGH VACUUM

First Machy Corp
Fisher Scientific Co
►**FULLER CO**
New Jersey Safety Equipment Co
Standard Scientific Supply Corp

Abbe Engrg Co
Beach-Russ Co
Consolidated Electrodynamics
Consolidated Vacuum Corp
F J Cooke Inc
Dean Bros Pumps
Graham Mfg Co, Heliflow Corp
Ingersoll-Rand Co
Leiman Bros
RKL Controls Inc
Roots-Connersville Blower Co
Schutte & Koerting Co
Scientific Glass Apparatus
Arthur F Smith, Inc
F J Stokes Corp

PUMPS, HYDRAULIC

Eastern Industries
First Machy Corp

Aldrich Pump Co
Alten Foundry & Mach Works
Bingham Pump Co
Carver Pump Co
Dean Bros Pumps
Electric Autolite Co
Fairbanks, Morse & Co
Galland-Henning Mfg Co
Gray Co
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lecourtenay Co
Lincoln Engrg Co
Neptune Pump Mfg Co
Oilgear Co
Pacific Pumps
Parker Hydraulics Div, Parker-Hannifin Corp
H K Porter Co, Forge & Fittings Div
Republic Mfg Co
Viking Pump Co
Warren Pumps

PUMPS, JACKETED

Allis-Chalmers Mfg Co
Aurora Pump Div
Beach-Russ Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Consolidated Vacuum Corp
Dean Bros Pumps
Eco Engrg Co
Fostoria Corp, Chempump Div
Goulds Pumps
Granberg Corp
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Nagle Pumps Inc
Pacific Pumps
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Taber Pump Co
Viking Pump Co
Warren Pumps
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, JET, STEAM, AIR, WATER

Croll-Reynolds Co
►**FULLER CO**
Hetherington & Berner

Artisan Metal Products
Aurora Pump Div
Borg-Warner Mechanical Seals
Fostoria Corp, Chempump Div
Gardner-Denver Co
Graham Mfg Co, Heliflow Corp
Ingersoll-Rand Co
Byron Jackson Pumps
Marlow Pumps
Pacific Pumping Co
Schutte & Koerting Co
Taber Pump Co
Warren Pumps
C H Wheeler Mfg Co

PUMPS, LIQUID

Brosites Mach Co
Eastern Industries
Fisher Scientific Co

Airmatic Valve
Aldrich Pump Co
Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Meter Co, Pump Div
Ampco Metal
Aurora Pump Div
Beach-Russ Co
John Bean Div
Bingham Pump Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Buffalo Meter Co
Carver Pump Co
Chicago Pneumatic Tool Co
Culligan, Inc
Dean Bros Pumps
Dorr-Oliver Inc
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Geotechnical Corp
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Heatron, Inc
Hills-McCanna Co
Ingersoll-Rand Co
Industrial Filter & Pump Mfg Co
Byron Jackson Pumps
Komline-Sanderson Engrg Corp
Ladish Co, Tri-Clover Div
Lawrence Pumps
Lincoln Engrg Co
Manton-Gaulin Mfg Co
Manzel Unit
Marlow Pumps
Milton Roy Co
Neptune Pump Mfg Co
Pacific Pumping Co
Pacific Pumps
Pennsylvania Pump & Compressor Co
RKL Controls, Inc
Republic Mfg Co
Robbins & Myers, Moyno Pump Div
Schutte & Koerting Co
T Shriver & Co
Sier-Bath Gear & Pump Co
Sigmamotor, Inc
Stewart-Warner Corp, Alemite Div
Taber Pumps Co
Thompson Mfg Co
Viking Pump Co
Wallace Tiernan Inc
Warren Pumps
Waterous Co
Worthington Corp
Yeomans Bros Co

PUMPS, LUBRICANT

Eastern Industries

Airmatic Valve
Aldrich Pump Co
Allis-Chalmers Mfg Co
Alsop Engrg Corp
Aurora Pump Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Dean Bros Pumps
Eco Engrg Co
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lincoln Engrg Co
Manton-Gaulin Mfg Co
Pacific Pumping Co
Robbins & Myers, Moyno Pump Div
Ruthman Machy Co
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Arthur F Smith, Inc
Stewart-Warner Corp, Alemite Div
Taber Pump Co
Viking Pump Co
Warren Pumps
Waterous Co
Worthington Corp

PUMPS, OIL

Eastern Industries

Airmatic Valve
Aldrich Pump Co
Allis-Chalmers Mfg Co
Alsop Engrg Corp
Aurora Pump Div
Bingham Pump Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Carver Pump Co
Dean Bros Pumps
Eco Engrg Co
Ertel Engrg Corp
Fostoria Corp, Chempump Div
Gorman-Rupp Co
Goulds Pumps
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Lecourtenay Co
Lincoln Engrg Co
Lunkenheimer Co
Manton-Gaulin Mfg Co
Marlow Pumps
National Airoil Burner Co
Pacific Pumping Co
Ray Oil Burner Co
Republic Mfg Co
Robbins & Myers, Moyno Pump Div
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Stewart-Warner Corp, Alemite Div
Taber Pump Co
Viking Pump Co
Warren Pumps
Waterous Co
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, OPEN IMPELLER

Eastern Industries

Allis-Chalmers Mfg Co
Alsop Engrg Corp
Aurora Pump Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Carver Pump Co
Cooper Alloy Corp
Dean Bros Pumps
Deming Co
Denver Equipment Co
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Galigher Co
Gorman-Rupp Co
Goulds Pumps
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Marlow Pumps
Mission Mfg Co
Nagle Pumps Inc
National Carbon Co
Neptune Pump Mfg Co
Pacific Pumping Co
Peerless Pump, Hydrodynamics Div
Ruthman Machy Co
Taber Pump Co
Warren Pumps
Wemco Div, Western Machy Co
A R Wilfley & Sons, Inc
Yeomans Bros Co

PUMPS, PAINT

Eastern Industries

American Meter Co, Pump Div
Ampco Metal
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Dean Bros Pumps
Dorr-Oliver Inc
Duriron Co
Fostoria Corp, Chempump Div
Goulds Pumps
Granberg Corp
Gray Co
Byron Jackson Pumps
Ladish Co, Tri-Clover Div
Lincoln Engrg Co
Marlow Pumps
Mission Mfg Co
Nagle Pumps Inc
Robbins & Myers, Moyno Pump Div
Sier-Bath Gear & Pump Co
Stewart-Warner Corp, Alemite Div
Taber Pump Co
Viking Pump Co
Warren Pumps

PUMPS, PAPER STOCK

►**FULLER CO**

Allis-Chalmers Mfg Co
Aurora Pump Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Dorr-Oliver Inc
Duriron Co
Fairbanks, Morse & Co
Galigher Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Marlow Pumps
Mission Valve & Pump Co
Nagle Pumps Inc
Robbins & Myers, Moyno Pump Div
Warren Pumps
Wemco Div, Western Machy Co
Yeomans Bros Co

PUMPS, PISTON

Airmatic Valve
Aldrich Pump Co
John Bean Div
Clark-Cooper Div
Consolidated Vacuum Corp
Dean Bros Pumps
Flood City Brass & Elec Co
Gray Co
Komline-Sanderson Engrg Corp
Manzel Unit
Neptune Pump Mfg Co
Oilgear Co
Pressure Products Industries
Ernest Scott & Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, PLASTIC

Fisher Scientific Co
►**FULLER CO**

Cooper Alloy Corp
Duriron Co
Haveg Industries
Hills-McCanna Co
Komline-Sanderson Engrg Corp
Lawrence Pumps
Mechanical Products Corp
Mission Mfg Co
Nagle Pumps Inc
Naige Co
RKL Controls, Inc
A R Wilfley & Sons Inc

PUMPS, PORTABLE

Eastern Industries

Alsop Engrg Corp
Aurora Pump Div
Borg-Warner Mechanical Seals
Carver Pump Co
Chain Belt Co
Chicago Pneumatic Tool Co
Cooper Alloy Corp
Crowell Designs
Denver Equipment Co
Duriron Co

(Continued)

PUMPS, PORTABLE (continued)

Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Byron Jackson Pumps
Manton-Gaulin Mfg Co
Marlow Pumps
Milton Roy Co
Pacific Pumping Co
Peerless Pump, Hydro-dynamics Div
H K Porter Co, Forge & Fittings Div
RKL Controls, Inc
Robbins & Meyers, Moyno Pump Div
Sier-Bath Gear & Pump Co
Sigmamotor, Inc
Stewart-Warner Corp, Alemite Div
Sutorbilt Corp
Taber Pump Co
Thompson Mfg Co
Viking Pump Co

PUMPS, POSITIVE DISPLACEMENT

Brosites Mach Co
Eastern Industries

Airmatic Valve
Aldrich Pump Co
American Meter Co, Pump Div
BIF Industries
John Bean Div
Blackmer Pump Co
Buffalo Meter Co
Clark-Cooper Div
Consolidated Vacuum Corp
Cooper Alloy Corp
Culligan, Inc
Dean Bros Pumps
Denver Equipment Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Granberg Corp
Gray Co
Heatron, Inc
Hills-McCanna Co
Ladish Co, Tri-Clover Div
M-D Blowers, Inc
Manton-Gaulin Mfg Co
Manzel Unit
Marlow Pumps
Mechanical Products Corp
Milton Roy Co
Neptune Pump Mfg Co
Oilgear Co
RKL Controls, Inc
Republic Mfg Co
Robbins & Myers, Moyno Pump Div
Roots-Connersville Blower
St Regis Paper Co
Ernest Scott & Co
T Shriver & Co
Sier-Bath Gear & Pump Co
Arthur F Smith, Inc
Sutorbilt Corp
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

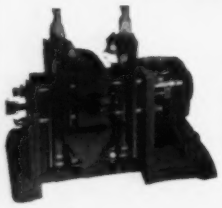
PUMPS, POWER ROTARY

Eastern Industries

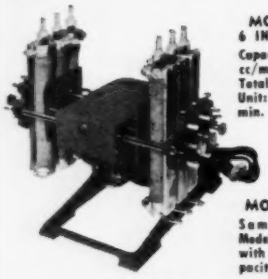
Blackmer Pump Co
Buffalo Meter Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Goulds Pumps

BROSITES PROPORTIONING PUMPS

IDEAL FOR FEEDING: FLOCCULATING, DEFOAMING, DEODORIZING, FLOTATION, PURIFYING, AND SETTLING AGENTS
ALSO FOR THE SAMPLING OF EFFLUENTS FOR CONTROL PURPOSES



MODEL "R" 2 IN 1 PUMP
Capacity: 1 to 150 cc/min. per tube. Total Capacity of Unit: 300 cc/min.



MODEL "O" 6 IN 1 PUMP
Capacity: 1 to 500 cc/min. per tube. Total Capacity of Unit: 3000 cc/min.

MODEL "OA"
Same type as Model "O" but with double capacity.

WRITE FOR DETAILED INFORMATION

BROSITES MACHINE COMPANY INC.
50 CHURCH STREET NEW YORK 7, N. Y.
(Coble Address—BROMACH)
Telephone—Digby 9-3600

Byron Jackson Pumps
M-D Blowers, Inc
Manton-Gaulin Mfg Co
Nash Engrg Co
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Taber Pump Co
Viking Pump Co
Warren Pumps
Waterous Co

PUMPS, PRESSURE EXCHANGE

Gray Co
Manton-Gaulin Mfg Co

PUMPS, PROCESS

Brosites Mach Co
Eastern Industries

Allis-Chalmers Mfg Co
Ampco Metal
John Bean Div
Bingham Pump Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Cooper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fails Industries
Fostoria Corp, Chempump Div
Galigher Co
Goulds Pumps
Gray Co
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Ladish Co, Tri-Clover Div
Lawrence Pumps
Lecourtenay Co
Mission Mfg Co
Nagle Pumps Inc
National Carbon Co
Peerless Pump, Hydro-dynamics Div
Robbins & Myers, Moyno Pump Div
Schutte & Koerting Co
T Shriver & Co
Sier-Bath Gear & Pump Co
Sigmamotor, Inc
Taber Pump Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
Wemco Div, Western Machy Co
C H Wheeler Mfg Co
A P Wilfley & Sons Inc
Worthington Corp

PUMPS, PROPELLER

Eastern Industries

Bingham Pump Co
Borg-Warner Mechanical Seals
Ertel Engrg Corp
Fairbanks, Morse & Co
Foster Wheeler Corp
Ingersoll-Rand Co
Byron Jackson Pumps
Johnston Pump Co
Lawrence Pumps
Neptune Pump Mfg Co
Pacific Pumping Co
Pacific Pumps
Peerless Pump, Hydro-dynamics Div
Taber Pump Co
Warren Pumps

PUMPS, PROPORTIONING

Brosites Mach Co

American Instrument Co
American Meter Co, Pump Div
BIF Industries
John Bean Div
Blackmer Pump Co
Clark-Cooper Div
Clarkson Co
Culligan, Inc
Dorr-Oliver Inc
Hills-McCanna Co
Komline-Sanderson Engrg Corp
Ladish Co, Tri-Clover Div
M-D Blowers, Inc
Manton-Gaulin Mfg Co
Manzel Unit
G Diehl Mateer Co
Mechanical Products Corp
Milton Roy Co
Neptune Pump Mfg Co
Pacific Pumping Co
Pressure Products Industries
RKL Controls, Inc
Robbins & Myers, Moyno Pump Div
T Shriver & Co
Sigmamotor, Inc
Wallace & Tiernan Inc
Warren Pumps

PUMPS, PUTTY

Gray Co
Byron Jackson Pumps
Robbins & Myers, Moyno Pump Div
Nagle Pumps Inc
Stewart-Warner Corp, Alemite Div

PUMPS, REAGENT

BIF Industries
Clarkson Co
Cooper Alloy Corp
Dean Bros Pumps
Eco Engrg Co
Goulds Pumps
Fostoria Corp, Chempump Div
Gray Co
Byron Jackson Pumps
Lapp Insulator Co
Manzel Unit

PUMPS, RECIPROCATING

Aldrich Pump Co
American Meter Co, Pump Div
John Bean Div
Consolidated Vacuum Corp
Dean Bros Pumps
Gardner-Denver Co
Gray Co
Hills-McCanna Co
Lincoln Engrg Co
Manton-Gaulin Mfg Co
Manzel Unit
Neptune Pump Mfg Co
Pacific Pumps
Republic Mfg Co
Ernest Scott & Co
Stewart-Warner Corp, Alemite Div
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, ROTARY VACUUM

►FULLER CO

Allis-Chalmers Mfg Co
Beach-Russ Co
Consolidated Vacuum Corp
Ingersoll-Rand Co
Lammert & Mann Co
Leiman Bros
M-D Blowers, Inc
Nash Engrg Co
Arthur F Smith, Inc
F J Stokes Corp
Sutorbilt Corp
Viking Pump Co
C H Wheeler Mfg Co

PUMPS, SAND

Allis-Chalmers Mfg Co
Borg-Warner Mechanical Seals
Denver Equipment Co
Galigher Co
Byron Jackson Pumps
Lawrence Pumps
Mission Mfg Co
Nagle Pumps Inc
Pacific Pumps
Pettibone Mulliken Corp
Vernon Tool Co
Wemco Div, Western Machy Co
A R Wilfley & Sons, Inc

PUMPS, SANITARY

Anderson Bros Mfg Co
John Bean Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Cooper-Alloy Corp
Dorr-Oliver Inc
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Gorman-Rupp Co
Ingersoll-Rand Co
Byron Jackson Pumps
Komline-Sanderson Engrg Corp
Ladish Co, Tri-Clover Div
Lawrence Pumps
M-D Blowers, Inc
Manton-Gaulin Mfg Co
Marlow Pumps
Milton Roy Co
Nagle Pumps, Inc
Pacific Pumping Co
Pennsylvania Pump & Compressor Co
RKL Controls, Inc
Robbins & Myers, Moyno Pump Div
Viking Pump Co
Wemco Div, Western Machy Co
Yeomans Bros Co

PUMPS, SCREW

Allis-Chalmers Mfg Co
Alsop Engrg Corp
Sier-Bath Gear & Pump Co
Robbins & Myers, Moyno Pumps Div
Warren Pumps

PUMPS, SEALING COMPOUNDS

Borg-Warner Mechanical Seals
Eco Engrg Co
Fostoria Corp, Chempump Div
Goulds Pumps
Gray Co
Byron Jackson Pumps
Lincoln Engrg Co
Nagle Pumps Inc
Robbins & Myers, Moyno Pump Div
Stewart-Warner Corp, Alemite Div
Viking Pump Co
Warren Pumps

PUMPS, SELF-PRIMING

Eastern Industries

Aurora Pump Div
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Chain Belt Co
Chicago Pneumatic Tool Co
Crowell Designs
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp
Gorman-Rupp Co
Goulds Pumps
Gray Co
Heatron, Inc
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps
Kenco Pump Div
Lawrence Pumps
Manton-Gaulin Mfg Co
Marlow Pumps
Nagle Pumps Inc
Pacific Pumping Co
Peerless Pump, Hydro-dynamics Div
RKL Controls, Inc
Robbins & Myers, Moyno Pumps Div
Sier-Bath Gear & Pump Co
Arthur F Smith, Inc
Vic Mfg Co
Viking Pump Co
Waterous Co
Worthington Corp

PUMPS, SEWAGE

►FULLER CO

Allis-Chalmers Mfg Co
Aurora Pump Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Dorr-Oliver Inc
Duriron Co
Fairbanks, Morse & Co
Gorman-Rupp Co
Infilco Inc
Ingersoll-Rand Co
Byron Jackson Pumps
Kenco Pump Div
Komline-Sanderson Engrg Corp
Lawrence Pumps
Manton-Gaulin Mfg Co
Marlow Pumps
Nagle Pumps Inc
Pacific Pumping Co
Peerless Pump, Hydro-dynamics Div
Robbins & Myers, Moyno Pump Div
T Shriver & Co
Sutorbilt Corp
Taber Pump Co
Warren Pumps
Wemco Div, Western Machy Co
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, SLURRY

Aldrich Pump Co
Ampco Metal
BIF Industries
Beach-Russ Co
John Bean Div
Bingham Pump Co
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Dean Bros Pumps
Denver Equipment Co
Dorr-Oliver Inc
Duriron Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Galigher Co
Gorman-Rupp Co
Goulds Pumps
Hills-McCanna Co
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps
Komline-Sanderson Engrg Corp
Ladish Co, Tri-Clover Div
Lawrence Pumps
Manton-Gaulin Mfg Co
Manzel Unit
Marlow Pumps
Milton Roy Co
Mission Mfg Co
Nagle Pumps Inc
Pacific Dumping Co
Pettibone Mulliken Corp
RKL Controls, Inc
Robbins & Myers, Moyno Pump Div
Arthur F Smith, Inc
T Shriver & Co
Sigmamotor, Inc
Taber Pump Co
Wallace & Tiernan Inc
Warren Pumps
Wemco Div, Western Machy Co
A R Wilfley & Sons, Inc
Worthington Corp
Yeomans Bros Co

PUMPS, STEAM

Borg-Warner Mechanical Seals
Buffalo Forge Co
Dean Bros Pumps
Gardner-Denver Co
Byron Jackson Pumps
Pacific Pumps
Schutte & Koerting Co
Warren Pumps
Worthington Corp

PUMPS, STEAM JACKETED

Hetherington & Berner

American-Marsh Pumps
Blackmer Pump Co
Borg-Warner Mechanical Seals
Dean Bros Pumps
Fostoria Corp, Chempump Div
Byron Jackson Pumps
Lawrence Pumps
Manton-Gaulin Mfg Co
Nagle Pumps Inc
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Taber Pump Co
Viking Pump Co
Warren Pumps
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, SUBMERSIBLE

Eastern Industries
Fisher Scientific Co

Aurora Pump Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Carver Pump Co
Chicago Pneumatic Tool Co
Clark-Cooper Co
Duriron Co
Eco Engrg Co
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps
Kenco Pump Div
Lawrence Pumps
Marlow Pumps
Neptune Pump Mfg Co
Pacific Pumping Co
Peerless Pump, Hydro-dynamics Div
Sier-Bath Gear & Pump Co
Viking Pump Co
Wemco Div, Western Machy Co
Worthington Corp
Yeomans Bros Co

PUMPS, SUCTION

Eastern Industries
Fisher Scientific Co

American LaFrance Div
Aurora Pump Div
Borg-Warner Mechanical Seals
Carver Pump Co
Denver Equipment Co
Duriron Co
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Gorman-Rupp Co
Industrial Filter & Pump Mfg Co
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lincoln Engrg Co
Marlow Pumps
Milton Roy Co
Nash Engrg Co
RKL Controls, Inc
Schutte & Koerting Co
Viking Pump Co
A R Wilfley & Sons
Worthington Corp

PUMPS, SUMP

Eastern Industries

Allis-Chalmers Mfg Co
Airetool Mfg Co
Aurora Pump Div
Borg-Warner Mechanical Seals
Buffalo Forge Co
Carver Pump Co
Chicago Pneumatic Tool Co
Dean Bros Pumps
Denver Equipment Co
Duriron Co
Eco Engrg Co
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Galigher Co
Gardner-Denver Co
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps
Kenco Pump Div
Lawrence Pumps
Le Roi Div
Lincoln Engrg Co
Marlow Pumps
Nagle Pumps Inc
Neptune Pump Mfg Co
Peerless Pump, Hydro-dynamics Div
Schramm, Inc
Schutte & Koerting Co
Taber Pump Co
Warren Pumps
Wemco Div, Western Machy Co
C H Wheeler Mfg Co
Yeomans Bros Co

PUMPS, TRANSFER

Eastern Industries
Fisher Scientific Co
American Meter Co, Pump Div
Ampco Metal
Aurora Pump Div
Blackmer Pump Co
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Dean Bros Pumps
Duriron Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Fostoria Corp, Chempump Div
Galigher Co
Gorman-Rupp Co
Goulds Pumps
Gray Co
Industrial Filter & Pump Mfg Co
Byron Jackson Pumps
Ladish Co, Tri-Clover Div
Lecourtenay Co
Lincoln Engrg Co
Manton-Gaulin Mfg Co
Marlow Pumps
Mission Mfg Co
Nagle Pumps Inc
National Carbon Co
Peerless Pump, Hydro-dynamics Div
Pressure Products Industries
Protectoseal Co
Robbins & Myers, Moyno Pump Div
Schutte & Koerting Co
Sier-Bath Gear & Pump Co
Stewart-Warner Corp
Taber Pump Co
Thompson Mfg Co
Viking Pump Co
Warren Pumps
Waterous Co
Wemco Div, Western Machy Co
C H Wheeler Mfg Co
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, TURBINE

Eastern Industries

Allis-Chalmers Mfg Co
Aurora Pump Div
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Ingersoll-Rand Co
Fostoria Corp, Chempump Div
Byron Jackson Pumps
Pacific Pumping Co
Pacific Pumps
Peerless Pump, Hydro-dynamics Div
Fred H Schaub Engrg Co
Worthington Corp

PUMPS, VACUUM

Croll-Reynolds Co
First Machy Corp
Fisher Scientific Co
►FULLER CO
Standard Scientific Supply Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Beach-Russ Co
Bell & Gossett Co
Bingham Pump Co
Chicago Pneumatic Tool Co
Consolidated Electro-dynamics
Consolidated Vacuum Corp
J P Devine Mfg Co
Gardner-Denver Co
Graham Mfg Co, Heliflow Corp
Hevi-Duty Elec Co
Ingersoll-Rand Co
Joy Mfg Co
Klipfel Valve Div
Lammert & Mann Co
M-D Blowers, Inc
Nash Engrg Co
New Brunswick Scientific Co
Quincy Compressor Co
RKL Controls, Inc
Roots-Connersville Blower
Schutte & Koerting Co
Ernest Scott & Co
Arthur F Smith, Inc
F J Stokes Corp
Sutorbilt Corp
Warren Pumps
C H Wheeler Mfg Co

PUMPS, VACUUM, MERCURY VAPOR

►FULLER CO

Consolidated Electro-dynamics
Consolidated Vacuum Corp
Scientific Glass Apparatus Co
Nash Engrg Co
Arthur F Smith, Inc
F J Stokes Corp
Sutorbilt Corp

PUMPS, VACUUM, OIL VAPOR

Fisher Scientific Co
►FULLER CO

Consolidated Electro-dynamics
Consolidated Vacuum Corp
Lammert & Mann Co
Litton Engrg Labs
Nash Engrg Co
Scientific Glass Apparatus Co
Arthur F Smith, Inc
Sutorbilt Corp
Taber Pump Co

PUMPS, VERTICAL CENTRIFUGAL

Eastern Industries

Allis-Chalmers Mfg Co
Alsop Engrg Corp
Aurora Pump Div
Bingham Pump Co
Borg-Warner Mechanical Seals
Buffalo Forge Co
Buffalo Meter Co
Carver Pump Co
Dean Bros Pumps
Denver Equipment Co
Eco Engrg Co
Fairbanks, Morse & Co
Foster Wheeler Corp
Fostoria Corp, Chempump Div
Galigher Co
Gorman-Rupp Co
Ingersoll-Rand Co
Byron Jackson Pumps
Lawrence Pumps
Lecourtenay Co
Marlow Pumps
Nagle Pumps Inc
Neptune Pump Mfg Co
Pacific Pumping Co
Pacific Pumps
Peerless Pump, Hydro-dynamics Div
Taber Pump Co
Thompson Mfg Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, VOLUME

Eastern Industries

American-Marsh Pumps
American Meter Co, Pump Div
Borg-Warner Mechanical Seals
Buffalo Meter Co
Carver Pump Co
Fostoria Corp, Chempump Div
Gray Co
Hills-McCanna Co
Byron Jackson Pumps
Komline-Sanderson Engrg Corp
Pacific Pumps
Peerless Pump Div
RKL Controls, Inc
Stewart-Warner Corp, Alemite Div
Wallace & Tiernan Inc

PURIFIERS

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
Barnebey-Cheney Co
Centrico, Inc

American Water Softener Co
V D Anderson Co
Chem-Pure Service Co
Cochrane Div
Culligan, Inc
DeLaval Separator Co
Dynamic Filters Inc
Engelhard Industries
Gas Machy Co
Hilliard Corp
Milton Roy Co
Ogden Filter Co
Permutit Co
Schuyler Mfg Corp
Sharples Corp
F J Stokes Corp

PYROMETERS

Fisher Scientific Co

Bailey Meter Co
Bristol Co
Cambridge Instrument Co
Electric Hotpack Co
Engelhard Industries
General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Pacific Transducer Corp
Perkin-Elmer Corp
Pyrometer Instrument Co
Thermo Elec Co
Thermolyne Corp
Thwing-Albert Instrument Co
West Instrument Corp

Q, R

QUARTZ APPARATUS & EQUIPMENT

Thermal American Fused Quartz
Braun-Knecht-Heimann Co
Corning Glass Works
Engelhard Industries
Arthur F Smith, Inc

RACKS, PLATING

American Smelting & Refining Co
Kirk & Blum Mfg Co
Sel-Rex Corp

RACKS, STORAGE

Barrett-Cravens Co
Bethlehem Steel Co
Falstrom Co
General Metals Inc
Hodgson Engrg & Mfg Co
Kirk & Blum Mfg Co
Rapids-Standard Co
Revolvator Co
West Bend Equipment Corp

RADIOACTIVE HANDLING EQUIPMENT

Consolidated Controls Corp
Knapp Mills Inc
General Elec Co, Apparatus Sales Div

REACTORS, CONTINUOUS

Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Brighton Corp
Buflovak Equipment Div
Cochrane Div
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Kinetic Dispersion Corp
Knapp Mills Inc
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Rodney Hunt Mach Co
Southwestern Engrg Co
Stainless & Steel Products Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Vulcan Mfg

REACTORS, LABORATORY

Allis-Chalmers Mfg Co
Brighton Corp
Buflovak Equipment Div
Cochrane Div
General Elec Co, Apparatus Sales Div
Kinetic Dispersion Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Star Tank & Filter Corp

REAMERS, PIPE

Toledo Pipe Threading Mach Co
Oster Mfg Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

RECEIVERS, AIR

American Car & Foundry Div
Bethlehem Steel Co
Bishopric Products Co
Bristol Co
Bros, Inc
Buxton Mfg Co
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Engineering Controls
Graver Tank & Mfg Co
Ingersoll-Rand Co
International Boiler Works Co
Joy Mfg Co
Kennedy Tank & Mfg Co
Leader Iron Works
Le Roi Div
Nooter Corp
Minneapolis-Honeywell, Industrial Products
Pressed Steel Tank Co
Pulverizing Machy Div
Schramm, Inc
Stearns-Roger Mfg Co
Stover Co

RECEIVERS, METAGRAPHIC

Bristol Co
Republic Flow Meters Co
Minneapolis-Honeywell, Industrial Products

RECLAMATION SYSTEMS, WASTE

Barneby-Cheney Co
Standard Steel Corp

American Water Softener Co
Artisan Metal Products
Buflovak Equipment Div
Denver Equipment Co
Dorr-Oliver Inc
General American Transportation Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Kirk & Blum Mfg Co
Knapp Mills Inc
Link-Belt Co
Minneapolis-Honeywell, Industrial Products
Permutit Co
Ernest Scott & Co
Sel-Rex Corp
Southwestern Engrg Co
Sprout, Waldron & Co
Vic Mfg Co
Walker Process Equipment

RECORDERS, AIR POLLUTION

Bristol Co
Leeds & Northrup Co
Consolidated Electrodynamics

RECORDERS, CARBON DIOXIDE

New Jersey Safety Equipment Co

Bristol Co
Cambridge Instrument Co
Fischer & Porter Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co
Thermco Instrument Corp

RECORDERS, COMPOUND

Bristol Co
Fischer & Porter Co
Manning, Maxwell & Moore, Inc
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co

RECORDERS, CONDUCTIVITY

Bailey Meter Co
Bristol Co
Fischer & Porter Co
Foxboro Co
Industrial Instruments
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Thermo Elec Co

RECORDERS, DIELECTRIC CONSTANT

Bristol Co
Foxboro Co
Hallikainen Instruments

RECORDERS, DUST

New Jersey Safety Equipment Co

Bristol Co

RECORDERS, ELECTRONIC

Applied Research Labs
Bailey Meter Co
Bristol Co
Consolidated Electrodynamics
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Geotechnical Corp
Houston Instrument Corp
Minneapolis-Honeywell, Industrial Products
Potter Aeronautical Corp
Arthur F Smith, Inc
Thermo Elec Co
Thwing-Albert Instrument Co
West Instrument Corp

RECORDERS, GAS ANALYSIS

Bailey Meter Co
Bristol Co
Cambridge Instrument Co
Consolidated Electrodynamics
Cutler-Hammer Inc
Fischer & Porter Co
Industrial Instruments
Leeds & Northrup Co
Milton Roy Co
Mine Safety Appliances
Minneapolis-Honeywell, Industrial Products
Thermco Instrument Corp

RECORDERS, HUMIDITY, WET & DRY BULB

Bristol Co
Electric Hotpack Co
Foxboro Co
Johnson Service Co
Leeds & Northrup Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Partlow Corp
Phys-Chemical Research Corp
Thermo Elec Co
Weighing & Control Components
Weksler Instruments Corp

RECORDERS, LIQUID LEVEL

BIF Industries
Bailey Meter Co
Bristol Co
Buffalo Meter Co
Crosby Valve & Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Leeds & Northrup Co
Liquidometer Corp
Mason-Neilan Div
Moore Products Co
Milton Roy Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co
Thermo Elec Co
United States Gauge Div
Yarnall-Waring Co

RECORDERS, MINIATURE

BIF Industries
Bristol Co
Consolidated Electrodynamics
Thomas A Edison Industries
Fischer & Porter Co
Foxboro Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Pacific Transducer Corp

RECORDERS, MOISTURE

C W Brabender Instruments
Bristol Co
Cambridge Instrument Co
Consolidated Electrodynamics
Foxboro Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Thermo Elec Co

RECORDERS, MULTI-POINT

Bailey Meter Co
Bristol Co
Consolidated Electrodynamics
Esterline Angus Instrument Co
Foxboro Co
Leeds & Northrup Co
Mast Development Co
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co
Thermo Elec Co

RECORDERS, POWER FACTOR

Esterline Angus Instrument Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products

RECORDERS, PRESSURE

BIF Industries
Bailey Meter Co
Bristol Co
Consolidated Electrodynamics
Crosby Valve & Gage Co
Thomas A Edison Industries
Esterline Angus Instrument Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
Jordan Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co
Arthur F Smith, Inc
Thermo Elec Co
United States Gauge Div
Weksler Instruments

RECORDERS, RESISTANCE

C W Brabender Instruments
Bristol Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Thermo Elec Co
Thwing-Albert Instrument Co

RECORDERS, SPECIFIC GRAVITY

Bailey Meter Co
Bristol Co
Fischer & Porter Co
Foxboro Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Potter Aeronautical Corp
Precision Thermometer & Instrument Co
Thermo Elec Co

RECORDERS, STRIP CHART

Applied Research Labs
BIF Industries
Beckman Instruments, Berkeley Div
Bristol Co
Consolidated Electrodynamics
Esterline Angus Instrument Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
General Controls Co
Geotechnical Corp
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co
Thwing-Albert Instrument Co
West Instrument Corp
Yellow Springs Instrument Co

RECORDERS, SULFUR

Consolidated Electrodynamics
Minneapolis-Honeywell, Industrial Products

RECORDERS, TEMPERATURE

New Jersey Safety Equipment Co

BIF Industries
Bailey Meter Co
Beckman & Whitley
C W Brabender Instruments
Bristol Co
Thomas A Edison Industries
Electric Hotpack Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Johnson Service Co
Leeds & Northrup Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Partlow Corp
Phys-Chemical Research Corp
Powers Regulator Co
Republic Flow Meters Co
Thermo Elec Co
Thwing-Albert Instrument Co
United Elec Controls Co
United States Gauge Div
Weksler Instruments Corp
West Instrument Corp

RECORDERS, TURBIDITY INDICATORS

Bailey Meter Co
Bristol Co

RECORDERS, VACUUM

Bailey Meter Co
Bristol Co
F J Cooke Inc
Crosby Valve & Gage Co
Esterline Angus Instrument Co
Foxboro Co
Hastings-Raydist
Johnson Service Co
Mason-Neilan Div
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co
Arthur F Smith, Inc
United States Gauge Div
Weksler Instruments Corp

RECORDERS, VISCOSITY

C W Brabender Instruments
Bristol Co
Foxboro Co
Hallikainen Instruments
Minneapolis-Honeywell, Industrial Products
Norcross Corp
Thermo Elec Co

RECORDING SYSTEMS, OSCILLOGRAPHIC

►**DRESSER ELECTRONICS**

Consolidated Electrodynamics
Geotechnical Corp
Minneapolis-Honeywell, Industrial Products

RECOVERY UNITS

Barneby-Cheney Co

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Carrier Corp
Colonial Iron Works Co
Day Co
Delta Tank Mfg Co
Pfaudler Co Div
Ernest Scott & Co
Sel-Rex Corp
Sharples Corp
Arthur F Smith, Inc
Submerged Combustion
Vulcan Mfg
Wurster & Sanger

RECTIFIERS

I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div
Fansteel Metallurgical Corp
Leeds & Northrup Co
Philips Electronic Instruments
Perkins Electronics Corp
Research-Cottrell
Sel-Rex Corp
Vulcan Mfg

REFRACTOMETERS

Fisher Scientific Co

Consolidated Electrodynamics
Bausch & Lomb Inc
Mine Safety Appliances

REFRACTORIES

►**JOHNS-MANVILLE**

Armstrong Cork Co, Industrial Div
Babcock & Wilcox Co, Refractories Div
Eagle-Picher Co
Electro Refractories & Abrasives Corp
J H France Refractories Co
Kaiser Refractories & Chems Div

►See catalog advertisement (Advertisers Index) See company directory for addresses

A P Green Fire Brick Co
Laboratory Equipment
National Carbon Co
Plibrico Co
Robinson Clay Product Co

REFRIGERATING EQUIPMENT

Ansul Chem Co
Croll-Reynolds Co
Niagara Blower Co
►HENRY VOGT MACH CO

Acme Industries
Bell & Gossett Co
Carrier Corp
Electric Hotpack Co
Graham Mfg Co
Graver Water Conditioning Co
Ingersoll-Rand Co
Patterson-Kelley Co
H A Phillips & Co
St Regis Paper Co
Trane Co
Vilter Mfg Co
Wurster & Sanger
York Corp

REGENERATORS

Alco Products
Chicago Bridge & Iron Co
Delta Tank Mfg Co
Nooter Corp

REGULATORS, AIR

Airetool Mfg Co
Airmatic Valve
Atlas Valve Co
Black, Sivalls & Bryson
A W Cash Co
Clark Mfg Co
Conoflow Corp
Eclipse Fuel Engrg Co
Eco Engrg Co
Foster Engrg Div
Foster Wheeler Corp
General Controls Co
Gray Co
Hammel-Dahl
Hannifin Co
Johnson Service Co
Kaye & MacDonald
Klipfel Valve Div
Leslie Co
Lincoln Engrg Co
Mason-Neilan Div
Moore Products Co
OPW-Jordan
Pyronics, Inc
Republic Flow Meters Co
Rockwell Mfg Co
Stewart-Warner Corp, Alemite Div

REGULATORS, DRAFT

Atlas Valve Co
Bailey Meter Co
A W Cash Co
General Controls Co
Johnson Service Co
Moore Products Co
North American Mfg Co
Republic Flow Meters Co

REGULATORS, FEED WATER

Magnetrol, Inc

Atlas Valve Co
Bailey Meter Co
Black, Sivalls & Bryson
A W Cash Co
Copes-Vulcan Div
Fischer & Porter Co
General Controls Co
Klipfel Valves Inc
Leslie Co
McDonnell & Miller
Moore Products Co
Republic Flow Meters Co

REGULATORS, GAS

American Rubber Co
Atlas Valve Co
Black, Sivalls & Bryson
A W Cash Co
Delta Tank Mfg Co
Eclipse Fuel Engrg Co, Combustion Div
Fisher Governor Co
General Controls Co
Hannifin Co
Hoke, Inc
Klipfel Valves Inc
Leslie Co
Linde Co
Moore Products Co
National Cylinder Gas Div
North American Mfg Co
Pyronics, Inc
Rockwell Mfg Co
Terriss-Consolidated Industries
Thermco Instrument Corp

REGULATORS, JET PIPE

North American Mfg Co

REGULATORS, PRESSURE

Fisher Scientific Co

Aerotec Industries
Airmatic Valve
American Rubber Co
Atlas Valve Co
Bailey Meter Co
Black, Sivalls & Bryson
A W Cash Co
Clark Mfg Co
Conoflow Corp
Delta Tank Mfg Co
Eclipse Fuel Engrg Co, Combustion Div
Thomas A Edison Industries
Fischer & Porter Co
Fisher Governor Co
Foster Engrg Div
Foster Wheeler Corp
Foxboro Co
Fulton-Sylphon Div
General Controls Co
Gray Co
Hammel-Dahl
Hannifin Co
Hays Corp
Hoke, Inc
Johnson Service Co
Kaye & MacDonald
Klipfel Valve Div
Leslie Co
Mason-Neilan Div
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
Moore Products Co
National Cylinder Gas Div
North American Mfg Co
OPW-Jordan
Penn Controls
Pyronics, Inc
Republic Flow Meters Co
Rockwell Mfg Co
Schade Valve Mfg Co
Sarco Co
Scott Aviation Corp
Spence Engrg Co
Vapor Recovery Systems Co

REGULATORS, TEMPERATURE

Atlas Valve Co
Bailey Meter Co
Black, Sivalls & Bryson
A W Cash Co
Delta Tank Mfg Co
Eclipse Fuel Engrg Co, Combustion Div
Thomas A Edison Industries
Fischer & Porter Co
Foster Engrg Div
Foster Wheeler Corp
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Kaye & MacDonald
Klipfel Valve Div
Leslie Co
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
Moore Products Co
OPW-Jordan
Partlow Corp
Penn Controls
Phys-Chemical Research Corp
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
Sarco Co
Spence Engrg Co
Thermolyne Corp

REGULATORS, UNIT

Gray Co
Republic Flow Meters Co

REGULATORS, VALVE

Black, Sivalls & Bryson
Bristol Co
A W Cash Co
General Controls Co
Gray Co
Hoke, Inc
Klipfel Valves Inc
Leslie Co
Moore Products Co
National Cylinder Gas Div
OPW-Jordan
Pyronics, Inc
Republic Flow Meters Co
Rockwell Mfg Co
Schade Valve Mfg Co

REGULATORS, VOLTAGE

Allis-Chalmers Mfg Co
Chicago Pneumatic Tool Co
Electric Autolite Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hevi-Duty Elec Co
Philips Electronic Instruments
Perkin Electronics Corp
Arthur F Smith, Inc
Superior Elec Co
Technipower Inc

RELAYS, ELECTRIC

Automatic Switch Co
Bristol Co
Cutler-Hammer Inc
Electric Autolite Co
General Controls Co
General Elec Co, Apparatus Sales Div
Kidde Electronics Lab
Penn Controls
Simpson Elec Co

RELAYS, TEMPERATURE CONTROL

Allis-Chalmers Mfg Co
Thomas A Edison Industries
General Elec Co, Apparatus Sales Div
General Controls Co
Johnson Service Co
Leeds & Northrup Co
Palo Lab Supplies
Penn Controls
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Simpson Elec Co

RELAYS, TIME DELAY

Allis-Chalmers Mfg Co
American Instrument Co
Automatic Switch Co
Cutler-Hammer Inc
Thomas A Edison Industries
General Controls Co
General Elec Co, Apparatus Sales Div
C W Logeman Co
Precision Thermometer & Instrument Co
Simpson Elec Co

RESPIRATORS

New Jersey Safety Equipment Co

American Optical Co
General Scientific Equipment Co
Mine Safety Appliances
Scott Aviation Corp
Willson Products Div

RETORTS, PROCESSING

First Machy Corp

Allied Steel Products Corp
Chicago Bridge & Iron Co
Denver Equipment Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Nooter Corp
Trinity Steel Co

RHEOSTATS

James G Biddle Co
Cutler-Hammer Inc
General Controls Co
General Radio Co
General Elec Co, Apparatus Sales Div
Superior Elec Co

RIMS, SPROCKET

Chain Belt Co
Jeffrey Mfg Co
Link-Belt Co

RINGS, LESSING

Metallo Gasket Co

RINGS, PISTON

►JOHNS-MANVILLE

Chemical & Power Products
Garlock Inc
Koppers Co, Metal Products Div

RINGS, RASHIG

►JOHNS-MANVILLE

Fischer & Porter Co
Kimble Glass Co
Metallo Gasket Co
National Carbon Co
Scientific Glass Apparatus Co
United States Stoneware Co

RINSERS, BOTTLE

First Machy Corp

Island Equipment Corp
Republic Flow Meters Co

ROLLS, CRUSHING

Bonnot Co
First Machy Corp

Abbe Engrg Co
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Gruendler Crusher & Pulverizer Co
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Boardman Co
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Industrial Process Engrs
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S

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International Paper Co
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Raymond Bag Corp

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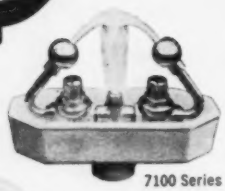
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SAFETY by HAWS



7900 Series



7700 Series

7100 Series



HAWS SAFETY FOUNTAINS

Wash harmful fuels and chemicals from eyes and facial areas, instantly! Prevent discomfort and serious injury. Units may be wall or pedestal mounted; with hand or foot operated quick-opening valves.

7900 Series—Maximum coverage eye/face-wash. 6 spray outlets in extra large stainless steel bowl set up soft, drenching mist for positive first aid. Large hand valve.

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Instantly flood the body with torrents of rushing water to wash away injurious contaminants. Your choice of single head or multiple nozzle showers; available with hand or foot valves.

Model 8590—Multiple Nozzle Shower instantly drenches victim from all angles. Large hand valve.

WRITE FOR HAWS DETAILED SAFETY CATALOG TODAY!

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S Howes Co
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Pfaudler Co Div
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Sharples Corp
Southwestern Engrg Co
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Kennedy Tank & Mfg Co
Linde Co
Metal Textile Corp
Nooter Corp
Pfaudler Co Div
Schutte & Koerting Co
Schuyler Mfg Corp
Selas Corp of America
Stearns-Roger Mfg Co
Western Precipitation Div
Wurster & Sanger

SEPARATORS, MAGNETIC

Commercial Filters Corp
Crucible Steel Co of America
Emerson Mfg Co
Eriez Mfg Co
S G Frantz Co
S Howes Co
Infilco Inc
Jeffrey Mfg Co
Franklin P Miller & Son
Sprout, Waldron & Co

SEPARATORS, OIL & GREASE

D J Murray Mfg Co

Air-Maze Corp
V D Anderson Co
Cochrane Div
DeLaval Separator Co
Delta Tank Mfg Co
Desomatic Products Div
Elliott Co
Heatron Inc
Infilco Inc
Metal Textile Corp
Nooter Corp
Pfaudler Co Div
Sharples Corp
Strong, Carlisle & Hammond

SEPARATORS, STEAM

R P Adams Co
Aerotec Industries
American Water Softener Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

V D Anderson Co
Black, Sivalls & Bryson Cochrane Div
Delta Tank Mfg Co
Engineering Controls
Foster Wheeler Corp
Johnson Corp
E Keeler Co
Metal Textile Corp
Nooter Corp
Schuyler Mfg Corp
Strong, Carlisle & Hammond

SEWAGE & WASTE TREATING EQUIPMENT

Barnebey-Cheney Co
Fisher Scientific Co

Automotive Rubber Co
Chain Belt Co
Condenser Service & Engrg Co
De Laval Separator Co
Denver Equipment Co
Dorr-Oliver Inc
Eimco Corp
Evans Pipe Co
General American Transportation Corp
Graver Water Conditioning Co
Hardinge Co
Industrial Filter & Pump Mfg Co
Infilco Inc
Jeffrey Mfg Co
Komline-Sanderson Engrg Corp
Link-Belt Co
M-D Blowers, Inc
Milton Roy Co
Permutit Co
Podbielniak, Inc
Robinson Clay Product Co
Roots-Connersville Blower
Sharples Corp
Southwestern Engrg Co
Sutorbilt Corp
Walker Process Equipment
Wallace & Tiernan Inc
Yeomans Bros Co

SHAKERS, CAR

Heyl & Patterson, Inc

Entoleter, Inc
Hewitt-Robins
Link-Belt Co
Martin Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

SHAKERS, LABORATORY

Brosites Mach Co
Fisher Scientific Co
Standard Scientific Supply Corp

Derrick Mfg Co
Eberbach Corp
Great Western Mfg Co
Newark Wire Cloth Co
Pressure Products Industries
Palo Lab Supplies
Soiltest, Inc
Southwestern Engrg Co
Sprout, Waldron & Co
Syntron Co
W S Tyler Co

SHEAVES

Bethlehem Steel Co
Dodge Mfg Co
Hewitt-Robins
Jeffrey Mfg Co
Link-Belt Co

SHELVING, STEEL

Wyatt Metal & Boiler Works Div

SHIELDS, FACE

New Jersey Safety Equipment Co

United States Safety Service Co

SHIELDS, FACE, WELDING

►METAL & THERMIT CORP

SHREDDERS

Baker Perkins
Buffalo Hammer Mill Corp
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co

SIDING

Philip Carey Mfg Co
►JOHNS-MANVILLE
Aluminum Co of America
Bethlehem Steel Co
St Regis Paper Co

SIEVES, LABORATORY

Fisher Scientific Co
Standard Scientific Supply Corp

Great Western Mfg Co
S Howes Co
Newark Wire Cloth Co
Soiltest, Inc
Southwestern Engrg Co
Syntron Co
W S Tyler Co

SIFTERS, GYRATORY

J H Day Co Div
First Machy Corp

Abbe Engrg Co
Allis-Chalmers Mfg Co
Great Western Mfg Co
B F Gump Co
Franklin P Miller & Son
Orville Simpson Co
Southwestern Engrg Co
Sprout, Waldron & Co
W S Tyler Co
Young Machy Co

SIFTERS, INDUSTRIAL

J H Day Co Div

Abbe Engrg Co
Allis-Chalmers Mfg Co
Derrick Mfg Co
Entoleter, Inc
B F Gump Co
Franklin P Miller & Son
Posey Iron Works
Productive Equipment Corp
Orville Simpson Co
Southwestern Engrg Co
Sprout, Waldron & Co
W S Tyler Co

SIFTERS, LABORATORY

J H Day Co Div

Abbe Engrg Co
Central Scientific Co
Derrick Mfg Co
Great Western Mfg Co
B F Gump Co
Posey Iron Works
Orville Simpson Co
Southwestern Engrg Co
Sprout, Waldron & Co
W S Tyler Co
Young Machy Co

SIGNS, DANGER & WARNING

New Jersey Safety Equipment Co

Ready Made Sign Co

SILENCERS, EXHAUST & INTAKE

Air-Maze Corp
Allied Witan Co
Engineering Controls
C H Wheeler Mfg Co

SILOS

Arrow Tank Co
Bethlehem Steel Co
Boardman Co
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Day Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
General American Transportation Corp
Kalamazoo Tank & Silo
Pittsburgh Des Moines Steel Co
A O Smith Corp

SINKS, ACID-PROOF

Fisher Scientific Co

American Hard Rubber Co
American Smelting & Refining Co
Arrow Tank Co
Colonial Plastics Mfg Co
Durlron Co
Electro Chem Engrg & Mfg Co
Haveg Industries
Knapp Mills Inc
Laboratory Furniture Co
Nalge Co
National Carbon Co
Ralph C Rulon, Inc
Terriss-Consolidated Industries
United States Stoneware Co

SINKS, LABORATORY

Fisher Scientific Co

American Smelting & Refining Co
Arrow Tank Co
Colonial Plastics Mfg Co
Division Lead Co
Durlron Co
Kewaunee Mfg Co
Knapp Mills Inc
Laboratory Furniture Co
Nalge Co
National Carbon Co
United States Stoneware Co

SIPHONS, ACID

New Jersey Safety Equipment Co

Hell Process Equipment Corp
Knapp Mills Inc
Nalge Co

SKIDS

United Box & Lumber Co

Delta Tank Mfg Co
Fairbanks Co
Hamilton Caster & Mfg Co
Hodgson Engrg & Mfg Co
David M Lea & Co
Edw Renneburg & Sons Co
Revolvator Co
Trinity Steel Co

SLEEVE GUARDS, VINYL PLASTIC

Reliance Plastic & Chem Corp
M L Snyder & Son

SNUBBERS, PRESSURE

King Engrg Corp
Republic Mfg Co
Manning, Maxwell & Moore, Inc

SOFTENERS, WATER

L-A Water Conditioner Inc

Allis-Chalmers Mfg Co
American Water Softener Co
Chem-Pure Service Co
Cochrane Div
Culligan Inc
Elgin Softener Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Penfield Mfg Co
Permutit Co
Walker Process Equipment
Wallace & Tiernan Inc

SOLDERS

Aluminum Co of America
American Brazing Alloys Corp
Chase Brass & Copper Co
American Smelting & Refining Co
Division Lead Co
Handy & Harman

SOLENOIDS, A.C.

American-Standard Controls Div
Automatic Switch Co
General Controls Co
General Elec Co, Apparatus Sales Div
Kraft Bag Div

SOLVENT RECOVERY APPARATUS

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Matt Corcoran Co
Detrex Chem Industries
J P Devine Mfg Co
General American Transportation Corp
Industrial Process Engrs
Leader Iron Works
Packed Column Corp
Pfaudler Co Div
Podbielniak, Inc
Selas Corp of America
Ernest Scott & Co
Southwestern Engrg Co
Struthers Wells Corp
Sumco Engrg, Inc
Trane Co
Vic Mfg Co
Vulcan Mfg
Wurster & Sanger

SPECTROGRAPHS

Baird-Atomic, Inc
Bausch & Lomb Inc
Beckman & Whitley
Geotechnical Corp
Jarrell-Ash Co
Philips Electronic Instruments

SPECTROMETERS

►DRESSER ELECTRONICS

Applied Research Labs
Baird-Atomic, Inc
Bausch & Lomb Inc
Bendix Corp, Cincinnati Corp
Consolidated Electrodynamics
General Elec Co, X-Ray Dept
Jarrell-Ash Co
Perkin-Elmer Corp
Philips Electronic Instruments
Arthur F Smith, Inc

SPECTROPHOTOMETERS

Fisher Scientfic Co
Standard Scientific Supply Corp

American Instrument Co
Beckman Instruments, Scientific & Process Instruments Div
Baird-Atomic, Inc
Bausch & Lomb Inc
Coleman Instruments
Perkin-Elmer Corp

SPECTROPHOTOMETERS, PHOTOELECTRIC

Fisher Scientific Co

Bausch & Lomb Inc
Coleman Instruments
General Elec Co, Apparatus Sales Div

SPECTROPHOTOMETERS, RECORDING

Fisher Scientfic Co

Baird-Atomic, Inc
Bausch & Lomb Inc
Beckman Instruments, Scientific & Process Instruments Div
Perkin-Elmer Corp
General Electric Co, Apparatus Sales Div
Geotechnical Corp

SPEED CHANGERS

Allis-Chalmers Mfg Co
Alten Foundry & Mach Works
Bowmar Instrument Corp
Dodge Mfg Co
Falk Corp
General Elec Co, Apparatus Sales Div
Hewitt-Robins
Link-Belt Co
Stephens-Adamson Mfg Co
United States Elec Motors

SPOUTS, CAN & PAIL

American Flange & Mfg Co
R C Can Co

SPRAY TOWERS, DETERGENTS

Allied Steel Products Corp
Bowen Engrg
Graver Tank & Mfg Co
Haveg Industries
Leader Iron Works
Nooter Corp
Proctor & Schwartz
Sumco Engrg, Inc
Wurster & Sanger

SPRAYERS, AIR PRESSURE

John Bean Div
Gray Co
R C Can Co
Thomas Industries

SPRAYING MACHINES

John Bean Div
Chase Chem Corp
Gray Co
C W Logeman Co
Ransburg Electro-Coating Corp
Todd Shipyards Corp
Wall Colmonoy Corp

SPRINKLER SYSTEMS, AUTOMATIC

Automatic Sprinkler Corp of America
Grinnell Co

SPROCKET WHEELS

Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
S Howes Co
Jeffrey Mfg Co
Link-Belt Co

STACKING MACHINERY

Continental Boiler & Sheet Iron Works
Link-Belt Co
West Bend Equipment Corp

STACKS, FUME VENT

Arrow Tank Co
Carl N Beetle Plastics Corp
Bethlehem Steel Co
Boardman Co
Colonial Plastics Mfg Co
Continental Boiler & Sheet Iron Works
B F Goodrich Industrial Prod Co
Graver Tank & Mfg
Haveg Industries
Heil Process Equipment Corp
E Keeler Co
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Manitowoc Shipbuilding, Inc
Nooter Corp
Posey Iron Works
Ralph C Rulon, Inc
Todd Shipyards Corp
Wendnagel & Co

STARTERS, MOTOR

General Elec Co, Apparatus Sales Div
Cutler-Hammer Inc

STATIC ELIMINATORS, CHEMICAL

Axel Plastics Research Labs
Killark Elec Mfg Co
Palo Lab Supplies

STEEL SHELLS, SEAMLESS

Alco Products
Delta Tank Mfg Co
Esco Corp
Geuder, Paeschke & Frey Co
Kennedy Tank & Mfg Co
Pressed Steel Tank Co
Republic Steel Corp
Southwestern Engrg Co

STEELS, CARBON ALLOY

Acipco Steel Products Div
Allegheney Ludlum Steel Corp
Bethlehem Steel Co
Carpenter Steel Co
Colorado Fuel & Iron Corp
Crucible Steel Co of America
Esco Corp
Falk Corp
Lukens Steel Co
Republic Steel Corp
Timken Roller Bearing Co
Union Steel Corp

STEELS, CHROME

Acipco Steel Products Div
Allegheny Ludlum Steel Corp
Bethlehem Steel Co
Calorizing Co
Carpenter Steel Co
Colorado Fuel & Iron Corp
Delta Tank Mfg Co
Crucible Steel Co of America
Duriron Co
Esco Corp
Jessop Steel Co
Lukens Steel Co
Republic Steel Corp
Timken Roller Bearing Co

STEELS, CHROMIUM-NICKEL

Acipco Steel Products Div
Allegheny Ludlum Steel Corp
Bethlehem Steel Co
Calorizing Co
Carpenter Steel Co
Colorado Fuel & Iron Corp
Crucible Steel Co of America
Delta Tank Mfg Co
Duriron Co
Eastern Stainless Steel Corp
Esco Corp
Jessop Steel Co
Lukens Steel Co
Republic Steel Corp
Timken Roller Bearing Co
Union Steel Corp

STEELS, NICKEL PLATED

Delta Tank Mfg Co
Esco Corp
Lukens Steel Co

STEELS, RUBBER LINED

Automotive Rubber Co
Chase Chem Corp
Delta Tank Mfg Co
Galigher Co
Heil Process Equipment Corp
Mercer Rubber Co

STEELS, STAINLESS

Acipco Steel Products Div
Allegheny Ludlum Steel Corp
A M Byers Co
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Crucible Steel Co of America
Delta Tank Mfg Co
Driver-Harris Co
Duriron Co
Eastern Stainless Steel Corp
Esco Corp
Jessop Steel Co
Republic Steel Corp
Timken Roller Bearing Co
Union Steel Corp

STEELS, STAINLESS CLAD

Allegheny Ludlum Steel Corp
Jessop Steel Co
Lukens Steel Co
Republic Steel Corp

STERILIZERS

First Machy Corp
Fisher Scientific Co

American Sterilizer Co
Barnstead Still & Sterilizer Co
Despatch Oven Co
Graver Tank & Mfg Co

STILLS, ALCOHOL

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Brighton Corp
Condenser Service & Engrg Co
Matt Corcoran Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Nooter Corp
Packed Column Corp
Ernest Scott & Co
Arthur F Smith, Inc
Star Tank & Filter Corp
Vulcan Mfg
Whitlock Mfg Co

STILLS, AMMONIA

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
First Machy Corp

Allied Steel Products Corp
Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Majonnier Co
Nooter Corp
Packed Column Corp
Arthur F Smith, Inc
Vulcan Mfg
Whitlock Mfg Co

STILLS, FATTY ACID

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Arthur F Smith, Inc
Star Tank & Filter Corp
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger

STILLS, GLYCERIN

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank & Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Ernest Scott & Co
Arthur F Smith, Inc
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger

STILLS, HORIZONTAL

Allied Steel Products Corp
Artisan Metal Products
Barnstead Still & Sterilizer Co
Bethlehem Steel Co
Brighton Corp
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Posey Iron Works
Ernest Scott & Co
Arthur F Smith, Inc
Vulcan Mfg
Whitlock Mfg Co

STILLS, LABORATORY

Fisher Scientific Co
Standard Scientific Supply Corp

Allied Steel Products Corp
American Sterilizer Co
Artisan Metal Products
Barnstead Still & Sterilizer Co
Brighton Corp
Consolidated Vacuum Corp
Electric Hotpack Co
Nooter Corp
Pfaudler Co Div
Podbielniak, Inc
Rodney Hunt Mach Co
Arthur F Smith, Inc
Star Tank & Filter Corp
F J Stokes Corp

STILLS, MERCURY

Artisan Metal Products
Bethlehem Steel Co
Eberbach Corp
Nooter Corp
Arthur F Smith, Inc

STILLS, PIPE

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
M W Kellogg Co
Nooter Corp
Ernest Scott & Co
Precision Distillation Apparatus Co
Whitlock Mfg Co

STILLS, PRESSURE

First Machy Corp
►HENRY VOGT MACH CO

Allied Steel Products Corp
Artisan Metal Products
Badger Mfg Co
Bethlehem Steel Co
Boardman Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Packed Column Corp
Posey Iron Works
Arthur F Smith, Inc
Stainless Products
Star Tank & Filter Corp
Vulcan Mfg
Whitlock Mfg Co

STILLS, SOLVENT RECOVERY

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Brighton Corp
Condenser Service & Engrg Co
Matt Corcoran Co
Detrex Chem Industries
General American Transportation Corp
Graver Tank & Mfg Co
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Ernest Scott & Co
Arthur F Smith, Inc
Star Tank & Filter Corp
F J Stokes Corp
Struthers Wells Corp
Vic Mfg Co
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger

STILLS, VACUUM

First Machy Corp

Allied Steel Products Corp
Artisan Metal Products
Badger Mfg Co
Bethlehem Steel Co
Boardman Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Consolidated Electrodynamics
Consolidated Vacuum Corp
Continental Boiler & Sheet Iron Works
F J Cooke Inc
Matt Corcoran Co
Delta Tank Mfg Co
Downingtown Iron Works
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Industrial Process Engrs
M W Kellogg Co
Leader Iron Works
Nooter Corp
Packed Column Corp
Perry Products Co
Pfaudler Co Div
Precision Distillation Apparatus Co
Rodney Hunt Mach Co
Ernest Scott & Co
Arthur F Smith, Inc
Star Tank & Filter Corp
F J Stokes Corp
Struthers Wells Corp
Vulcan Mfg
Whitlock Mfg Co

STILLS, WATER

First Machy Corp

American Sterilizer Co
Badger Mfg Co
Barnstead Still & Sterilizer Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Electric Hotpack Co
Engineering Controls
General American Transportation Corp
Leader Iron Works
Nooter Corp
Arthur F Smith, Inc
Star Tank & Filter Corp
F J Stokes Corp
Vulcan Mfg
Whitlock Mfg Co

STIRRERS

Barrington Industries, Inc
Eastern Industries
First Machy Corp
Fisher Scientific Co
Standard Scientific Supply Corp

Arrow Tank Co
Eberbach Corp
Mixing Equipment Co
Nalge Co
Palo Lab Supplies
Edw Renneburg & Sons Co
Arthur F Smith, Inc
Stainless Products
Terriss-Consolidated Industries
Thermolyne Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

STIRRERS, GLASS

Fisher Scientific Co

Corning Glass Works
Fischer & Porter Co
Mixing Equipment Co
Palo Lab Supplies
Scientific Glass Apparatus Co
Arthur F Smith, Inc

STOKERS

Bros, Inc
Erie City Iron Works
Riley Stoker Corp

STONEWARE EQUIPMENT

Robinson Clay Product Co
United States Stoneware

STOPCOCKS, HOLLOW PLUG TYPE

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Podbielniak, Inc
Manning, Maxwell & Moore, Inc
Arthur F Smith, Inc

STOPPERS

Fisher Scientific Co

Fischer & Porter Co

STORAGE SYSTEMS, COAL

Beaumont Birch Co
Cuno Engrg Corp
Gifford-Wood Co
Link-Belt Co

STRAINERS, CHEMICAL

Airmatic Valve
Bethlehem Steel Co
A W Cash Co
Cooper Alloy Corp
Croll-Reynolds Engrg Co
Cuno Engrg Corp
Great Western Mfg Co
S P Kinney Engrs Inc
Leslie Co
Michigan Wire Cloth Co
National Carbon Co
Newark Wire Cloth Co
OPW-Jordan
Schutte & Koerting Co
Sharples Corp
Strong, Carlisle & Hammond
Terriss-Consolidated Industries

STRAINERS, CONTINUOUS, ROTARY

Blackmer Pump Co
Condenser Service & Engrg Co
Cuno Engrg Corp
Dorr-Oliver Inc
S P Kinney Engrs Inc
Michigan Wire Cloth Co
Newark Wire Cloth Co
Sharples Corp

STRAINERS, INDUSTRIAL

Barrington Industries, Inc
Hetherington & Berner
Spraying Systems Co

Allied Steel Products Corp
American-Standard Controls Div
V D Anderson Co
Bethlehem Steel Co
Blackmer Pump Co
A W Cash Co
Clark Mfg Co
Condenser Service & Engrg Co
Croll-Reynold Engrg Co
Crowell Designs
Dorr-Oliver Inc
General Controls Co
Hilliard Corp
Kaye & MacDonald
S P Kinney Engrs Inc
Leslie Co
Michigan Wire Cloth Co
Monarch Mfg Works
Multi-Metal Wire Cloth Co
Newark Wire Cloth Co
OPW-Jordan
Schutte & Koerting Co
Sharples Corp
Standard Wiping Materials
Strong, Carlisle & Hammond
Terriss-Consolidated Industries

STRAINERS, OIL

Spraying Systems Co

American-Standard Controls Div
Bethlehem Steel Co
Blackmer Pump Co
Buffalo Hammer Mill Corp
A W Cash Co
Cuno Engrg Corp
Elliott Co
Hilliard Corp
S P Kinney Engrs Inc
Leslie Co
Mack Iron Works Co
Michigan Wire Cloth Co
Monarch Mfg Works
Multi-Metal Wire Cloth Co
National Airoil Burner Co
Newark Wire Cloth Co
OPW-Jordan
Rockwell Mfg Co
Schutte & Koerting Co
Sharples Corp
A O Smith Corp
Strong, Carlisle & Hammond
Terriss-Consolidated Industries
Todd Shipyards Corp

STRAINERS, PIPE LINE

Spraying Systems Co

V D Anderson Co
Automatic Switch Co
Bethlehem Steel Co
Buffalo Hammer Mill Corp
Buffalo Meter Co
A W Cash Co
Clark Mfg Co
Cooper Alloy Corp
Cuno Engrg Corp
Dorr-Oliver Inc
Duriron Co
Elliott Co
General Ceramics Div
B F Goodrich Industrial Products Co
Granberg Corp
Hilliard Corp
Industrial Process Engrs
Kaye & MacDonald
S P Kinney Engrs Inc
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
Leslie Co
Mack Iron Works Co
Mason-Neilan Div
McIntire Co
Michigan Wire Cloth Co
Monarch Mfg Works
Multi-Metal Wire Cloth Co
National Carbon Co
Newark Wire Cloth Co
OPW-Jordan
Parks-Cramer Co
H A Phillips & Co
Ronningen-Petter Co
Schade Valve Mfg Co
Sarco Co
Schutte & Koerting Co
Sharples Corp
Spence Engrg Co
Strong, Carlisle & Hammond
Terriss-Consolidated Industries
Yarnall-Waring Co

STRAINERS, SUCTION

►HENRY VOGT MACH CO

Automatic Valve Corp of America
Bethlehem Steel Co
Blackmer Pump Co
Crowell Designs
Cuno Engrg Corp
Elliott Co
Granberg Corp
Hilliard Corp
Mack Iron Works Co
McIntire Co
Michigan Wire Cloth Co
Monarch Mfg Works
S P Kinney Engrs Inc
National Airoil Burner Co
Newark Wire Cloth Co
OPW-Jordan
Schutte & Koerting Co
Strong, Carlisle & Hammond

SUBLIMERS

General American Transportation Corp
Precision Distillation Apparatus Co

SULFONATING EQUIPMENT

First Machy Corp

Acme Steel Co
Industrial Process Engrs
Wallace & Tiernan Inc

SUMPS, STONEWARE

United States Stoneware

SUPERHEATERS

Fisher Scientific Co

Bros, Inc
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
Industrial Process Engrs
Majac, Inc
Nooter Corp
Trane Co

SUPERHEATERS, STEAM

Fisher Scientific Co
►PETRO-CHEM DEVELOPMENT CO

Bros, Inc
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
Majac, Inc
Riley Stoker Corp
Selas Corp of America
Thermal Research & Engrg Corp
Edwin L Wiegand Co

SWITCHBOARDS

Allis-Chalmers Mfg Co
Cooper-Bessemer Corp
Cutler-Hammer Inc
I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div
Hodgson Engrg & Mfg Co

SWITCHES

Automatic Switch Co
Barksdale Valves
Bristol Co
Cutler-Hammer Inc
General Elec Co, Apparatus Sales Div
General Controls Co
I-T-E Circuit Breaker Co
Micro Switch Div
Torsion Balance Co
United Elec Controls Co

SWITCHES, MERCURY

General Controls Co
Micro Switch Div

SWITCHES, THERMAL

General Controls Co
General Elec Co, Apparatus Sales Div
I-T-E Circuit Breaker Co
United Elec Controls Co

SWITCHES, THERMOCOUPLE

General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Thermo Elec Co
West Instrument Corp

SWITCHES, TIME

Cutler-Hammer Inc
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
C W Logeman Co

SWITCHGEAR

Allis-Chalmers Mfg Co
I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div

T

TABLE TOPS, LABORATORY

Fisher Scientific Co
►JOHNS-MANVILLE

Armstrong Cork Co, Floor Div
Browne-Morse Co
Controlled Atmosphere Enclosures Mfg Co
Dean Products, Inc
Knapp Mills Inc
Laboratory Furniture Co
National Carbon Co

TABLES, CONCENTRATING

Allied Steel & Conveyors Div

TABLES, CONVEYOR

Allied Steel & Conveyors Div
Brooklyn Blower & Pipe
E W Buschman Co
Island Equipment Corp
MRM Co
Rapids-Standard Co

TABLES, MULTIPURPOSE

Allied Steel & Conveyors Div

TABLES, ROTARY

Allied Steel & Conveyors Div
Island Equipment Corp
Link-Belt Co
C W Logeman Co
Mico Instrument Co
Revolvator Co

TACHOMETERS

Bailey Meter Co
James G Biddle Co
Bristol Co
Electric Autolite Co
Esterline Angus Instrument Co
Foxboro Co
General Radio Co
General Elec Co, Apparatus Sales Div
Martin Engrg Co
Norwood Controls
Potter Aeronautical Corp
Simpson Elec Co

TANK CARS

American Car & Foundry Div
American Hard Rubber Co
Delta Tank Mfg Co
General American Transportation Corp
Haveg Industries
Knapp Mills Inc

TANKS, ACID

Du Verre, Inc

Allied Steel Products Corp
Aluminum Co of America
American Car & Foundry Div
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Bethlehem Steel Co
Bishopric Products Co
Boardman Co
Brighton Corp
Central Steel & Tank Co
Chase Chem Corp
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Colonial Plastics Mfg Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Electro Chem Engrg & Mfg Co
Flexi-Liner Co
Galigher Co
General American Transportation Corp
General Metals Inc
B F Goodrich Industrial Prod Co
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Haveg Industries
Heil Process Equipment Corp
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Luzerne Rubber Co
Nooter Corp
Old Dominion Iron & Steel Corp
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
W G Rovang & Assoc
Ralph C Rulon, Inc
Claude B Schneible Co
Stainless Products
Stainless & Steel Products Co
Star Tank & Filter Corp
A T Stearns Lumber Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg
Wendnagel & Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, AIR

Allied Steel Products
American Car & Foundry Div
American Hard Rubber Co
Bishopric Products Co
Boardman Co
Bros, Inc
Cameron Iron Works
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Engineering Controls
General American Transportation Corp
Graver Tank & Mfg Co
Kellogg-American Div
Nooter Corp
Old Dominion Iron & Steel Corp
Pittsburgh-Des Moines Steel Co
Pressed Steel Tank Co
Claude B Schneible Co
Stover Co
Todd Shipyards Corp
Trinity Steel Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, FERMENTING

Allied Steel Products
Arrow Tank Co
Bethlehem Steel Co
Boardman Co
Bishopric Products Co
Brighton Corp
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Claude B Schneible Co
A O Smith Corp
Stainless & Steel Products Co
Star Tank & Filter Corp
A T Stearns Lumber Co
Stover Co
Todd Shipyards Corp
Vulcan Mfg
Wendnagel & Co
Wyatt Metal & Boiler Works Div

TANKS, GALVANIZED

R E Moyer, Inc

Boardman Co
Bishopric Products Co
Cochrane Div
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Old Dominion Iron & Steel Corp
Kellogg-American Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Claude B Schneible Co
Stover Co
Todd Shipyards Corp
Whitlock Mfg Co

TANKS, HIGH PRESSURE

►HENRY VOGT MACH CO

Allied Steel Products Corp
American Car & Foundry Div
Autoclave Engrs Sales Corp
Automotive Rubber Co
Bethlehem Steel Co
Bishopric Products Co
Boardman Co
Bros, Inc
Cameron Iron Works
Chicago Bridge & Iron Co
Cochrane Div
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Delta Tank Mfg Co
Downingtown Iron Works
Flint Steel Mfg Co
General American Transportation Corp
Graver Tank & Mfg Co
International Boiler Works Co
Industrial Process Engrs
Duriron Co
E Keeler Co
Kellogg-American Div
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Pressed Steel Tank Co
Claude B Schneible Co
Southwestern Engrg Co
Stainless Products
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
Vilter Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, METER CALIBRATING

Delaware Barrel & Drum Co
Delta Tank Mfg Co
General Metals, Inc
Graver Tank & Mfg Co
Nooter Corp

TANKS, MIXING

Barrington Industries, Inc
J H Day Co Div
First Machy Corp

Allied Steel Corp
Alsop Engrg Corp
Arrow Tank Co
Automotive Rubber Co
Badger Mfg Co
Bethlehem Steel Co
G Blickman, Inc
Boardman Co
Brighton Corp
Central Steel & Tank Co
Chemineer, Inc
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Denver Equipment Co
Galigher Co
General American Transportation Corp
General Metals, Inc
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
Nalge Co
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stainless Products
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Wendnagel & Co

TANKS, OIL STORAGE

Aluminum Co of America
Bethlehem Steel Co
Black, Sivalls & Bryson
Boardman Co
Butler Mfg Co
Central Steel & Tank Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
General American Transportation Corp
General Metals Inc
Graver Metals, Inc
Kennedy Tank & Mfg Co
Nooter Corp
Old Dominion Iron & Steel
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Edw Renneburg & Sons Co
Claude B Schneible Co
Stover Co
Trinity Steel Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, OIL WORKS

Bethlehem Steel Co
Chicago Bridge & Iron Co
Delta Tank Mfg Co
General American Transportation Corp
General Metals, Inc
Graver Tank & Mfg Co
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Stover Co
Todd Shipyards Corp
Trinity Steel Co

TANKS, PLATING

Allied Steel Products Corp
Alsop Engrg Corp
American Hard Rubber Co
American Smelting & Refining Co
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Chase Chem Corp
Colonial Plastics Mfg Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Electro Chem Engrg & Mfg Co
Flexi-Liner Co
B F Goodrich Industrial Prod Co
Graver Tank & Mfg Co
Haveg Industries
Heil Process Equipment Corp
Industrial Filter & Pump Mfg Co
Kalamazoo Tank & Silo Co
Kennedy Tank Mfg Co
Nooter Corp
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Ralph C Rulon, Inc
Claude B Schneible Co
Stover Co
Trinity Steel Co
Wendnagel & Co
Whitlock Mfg Co

TANKS, PRESSURE

►HENRY VOGT MACH CO

Aerotec Industries
Allied Steel Products Corp
Alloy Products Corp
Alsop Engrg Corp
Alton Foundry & Mach Works
American Car & Foundry Div
American Hard Rubber Co
Automotive Rubber Co
Bethlehem Steel Co
Bishopric Products Co
Boardman Co
Brighton Corp
Bros, Inc
Buxton Mfg Co
Chicago Bridge & Iron Co
Cochrane Div
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Engineering Controls
Flint Steel Mfg Co
Foster Wheeler Corp
General American Transportation Corp
General Metals, Inc
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
International Boiler Works Co
E Keeler Co
Kellogg-American Div
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Pressed Steel Tank Co
Pressure Products Industries
Charles Ross & Son Co
Claude B Schneible Co
Stainless Products
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, STAINLESS STEEL

First Machy Corp

Aerotec Industries
Alloy Products Corp
American Car & Foundry Div
Automotive Rubber Co
Badger Mfg Co
Bethlehem Steel Co
Boardman Co
Brighton Corp
Brooklyn Blower & Pipe
Bros, Inc
Buxton Mfg Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Day Co
Delta Tank Mfg Co
Falstrom Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Heil Process Equipment Corp
Industrial Process Engrs
Kirk & Blum Mfg Co
Narda Ultrasonics Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Patterson Foundry & Mach Co
Pittsburgh-Des Moines Steel Co
Pressed Steel Tank Co
Charles Ross & Son Co
W G Rovang & Assoc
St Regis Paper Co
Southwestern Engrg Co
Stainless Products
Stainless & Steel Products Co
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Vilter Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, STORAGE

Du Verre, Inc
►TOTE SYSTEM, INC

Allied Steel Products Corp
Alsop Engrg Corp
American Car & Foundry Div
Arrow Tank Co
Automotive Rubber Co
Barnstead Still & Sterilizer Co
Bethlehem Steel Co
Bishopric Products Co
Black, Sivalls & Bryson
Boardman Co
Bros, Inc
Butler Mfg Co
Central Steel & Tank Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Matt Corcoran Co
Day Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Denver Equipment Co
Flexi-Liner Co
General American Transportation Corp
General Metals, Inc
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Heil Process Equipment
Industrial Filter & Pump Mfg Co
Industrial Process Engrs
Kalamazoo Tank & Silo
Kennedy Tank & Mfg Co
Kirk & Blum Mfg Co
Knapp Mills Inc
Lippmann Engrg Works
Milton Roy Co
Nooter Corp
Joseph Oat & Sons
Old Dominion Iron & Steel Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Pressed Steel Tank Co
Charles Ross & Son Co
Claude B Schneible Co
A O Smith Corp
Sprout, Waldron & Co
Stainless Products
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Co
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
United States Rubber Co
Vilter Mfg Co
Wendnagel & Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TANKS, TREATING

Allied Steel Products Corp
Arrow Tank Co
Automotive Rubber Co
Bishopric Products Co
Bros, Inc
Chicago Bridge & Iron Co
R D Cole Mfg Co
Commercial Filters Corp
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delaware Barrel & Drum
Delta Tank Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Engineering Controls
Flexi-Liner Co
Graver Tank & Mfg Co
Heil Process Equipment
Hauser-Stander Tank Co
Industrial Filter & Pump Mfg Co
Kennedy Tank & Mfg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Pfaudler Co Div
Stainless Products Inc
Star Tank & Filter Corp
Stover Co
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Wendnagel & Co

TANKS, VULCANIZING

Bishopric Products Co
Bros, Inc
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Graver Tank & Mfg Co
Knapp Mills Inc
Nooter Corp
Stover Co
Trinity Steel Co

TANKS, WEIGHING

Allied Steel Products Corp
American Car & Foundry Div
Continental Boiler & Sheet Iron Works
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Old Dominion Iron & Steel Corp
Patterson Foundry & Mach Co
Stover Co
Trinity Steel Co

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TANKS, WOOD

Arrow Tank Co
Black, Sivalls & Bryson
Denver Equipment Co
Hauser-Stander Tank Co
Kalamazoo Tank & Silo Co
A T Stearns Lumber Co
Wendnagel & Co

TANTALUM EQUIPMENT

►METAL & THERMIT CORP

Allied Steel Products Corp
Esco Corp
Haynes Stellite Co
Nooter Corp
Pfaudler Co Div
Struthers Wells Corp

TAPE, FLUOROPLASTIC

►JOHNS-MANVILLE

Chemical & Power Products
Connecticut Hard Rubber
Garlock Inc
Haveg Industries
Polymer Corp

TAPE, SEALING, GUMMED

Gilman Paper Co
St Regis Paper Co
United States Rubber Co

TAPE, SEALING, REINFORCED

►JOHNS-MANVILLE

Connecticut Hard Rubber Co
Gilman Paper Co
Permacel
H K Porter Co, Thermold Div
St Regis Paper Co
United States Rubber Co

TAPE, STAY

Gilman Paper Co
St Regis Paper Co

TAPE, VENEER

Gilman Paper Co
St Regis Paper Co

TAPES, HEATING

Fisher Scientific Co
►JOHNS-MANVILLE
Standard Scientific Supply Corp

Cox & Co

TARPAULINS

Belmont Burlap Bag Co
Bemis Bro Bag Co
B F Goodrich Industrial Prod Co
Greenville Tubes, Inc
Lamports Co
Pelamay Products
Protective Lining Corp
M L Snyder & Son

TELEMETERS

BIF Industries
Bailey Meter Co
Bristol Co
Fischer & Porter Co
Foxboro Co
Geotechnical Corp
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Rockwell Mfg Co

TESTERS, POROSITY

American Instrument Co
Pall Corp

TESTERS, SPARK AC & DC

Simpson Elec Co

TESTING EQUIPMENT, PETROLEUM

Fisher Scientific Co

Apex Scientific Co
Artisan Metal Products
C W Brabender Instruments
Electric Hotpack Co
Fischer & Porter Co
Hallikainen Instruments
International Equipment Co
Laboratory Equipment Corp
Soiltest, Inc

TESTING EQUIPMENT, SAND

C W Brabender Instruments
Great Western Mfg Co
Soiltest, Inc

TESTING INSTRUMENTS

Fisher Scientific Co

Analytical Measurements
Baird-Atomic, Inc
Bausch & Lomb Inc
James G Biddle Co
C W Brabender Instruments
Consolidated Electrodynamics
Crosby Valve & Gage Co
Ellison Draft Gage Co
Farris Engrg Corp
Fischer & Porter Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Martindale Elec Co
Mast Development Co
Multi-Amp Electronic Corp
Pacific Transducer Corp
Plas-Tech Equipment Corp
Sel-Rex Corp
Simpson Elec Co
Soiltest, Inc
Torsion Balance Co
Thwing-Albert Instrument Co
United Elec Controls Co
United States Gauge Div
Wallace & Tiernan Inc

THERMISTORS

Carbone Corp
Cutler-Hammer Inc
Fenwal Inc
Gulton Industries
Minneapolis-Honeywell, Industrial Products
Keystone Carbon Co
Kidde Electronics Labs
Leeds & Northrup Co
Victory Engrg Corp
Yellow Springs Instrument Co

THERMOCOUPLES

Fisher Scientific Co

Bailey Meter Co
Bristol Co
Electric Hotpack Co
Engelhard Industries
Falls Industries
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Pacific Transducer Corp
Minneapolis-Honeywell, Industrial Products
Pyrometer Co of America
Pyrometer Instrument Co
E C Smith Mfg Co
Thermo Elec Co
Thermolyne Corp
Thwing-Albert Instrument Co
Trinity Equipment Corp
West Instrument Corp

THERMOMETERS, BIMETALLIC

General Controls Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Pacific Transducer Corp
Precision Thermometer & Instrument Co
Weksler Instruments Corp

THERMOMETERS, CONTROLLING

Fisher Scientific Co

Bailey Meter Co
C W Brabender Instruments
Bristol Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Johnson Service Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Partlow Corp
Republic Flow Meters Co
Weksler Instruments Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, DIAL

Fisher Scientific Co

American-Standard Controls Div
Electric Autolite Co
Foxboro Co
General Controls Co
Johnson Service Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Moeller Instrument Co
Minneapolis-Honeywell, Industrial Products
Pacific Transducer Corp
Partlow Corp
Powers Regulator Co
Precision Thermometer & Instrument Co
Simpson Elec Co
Weksler Instruments Corp

THERMOMETERS, DIFFERENTIAL

Thomas A Edison Industries
General Controls Co
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Weksler Instruments Corp
Yellow Springs Instrument Co

THERMOMETERS, ELECTRICAL

Thomas A Edison Industries
Electric Autolite Co
General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Simpson Elec Co
Thermo Elec Co
Thwing-Albert Instrument Co
Victory Engrg Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, INDICATING

Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Electric Autolite Co
Fenwal Inc
Fischer & Porter Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Kahn & Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Partlow Corp
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
Thwing-Albert Instrument
Weksler Instruments
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, INDUSTRIAL

Bailey Meter Co
Bristol Co
Electric Autolite Co
Foxboro Co
General Controls Co
Kimble Glass Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Partlow Corp
Precision Thermometer & Instrument Co
Simpson Elec Co
Weksler Instruments Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, LABORATORY

Fisher Scientific Co
Standard Scientific Supply Corp

American-Standard Controls Div
C W Brabender Instruments
Electric Hotpack Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Moeller Instrument Co
Pacific Transducer Corp
Precision Thermometer & Instrument Co
Simpson Elec Co
Weksler Instruments Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, RECORDING

Bailey Meter Co
C W Brabender Instruments
Bristol Co
Thomas A Edison Industries
Electric Autolite Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Partlow Corp
Republic Flow Meters Co
Thwing-Albert Instrument Co
Weksler Instruments Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, SURFACE

Fisher Scientific Co

Foxboro Co
General Controls Co
Moeller Instrument Co
Pacific Transducer Corp
Simpson Elec Co
Thwing-Albert Instrument Co
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, WET & DRY BULB

Fisher Scientific Co

Bristol Co
Foxboro Co
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
Pacific Transducer Corp
Partlow Corp
Precision Thermometer & Instrument Co
Moeller Instrument Co
Weksler Instruments Corp

THERMOSTATS, ELECTRICAL

American-Standard Controls Div
C W Brabender Instruments
Cox & Co
Fenwal Inc
General Controls Co
General Elec Co, Apparatus Sales Div
Glo-Quartz Elec Heater Co
Minneapolis-Honeywell, Industrial Products
Partlow Corp
Penn Controls
Precision Thermometer & Instrument Co
United Elec Controls Co
Yellow Springs Instrument Co

THICKENERS

Heyl & Patterson, Inc

Chain Belt Co
Denver Equipment Co
Eimco Corp
Hardinge Co
Lapp Insulator Co
Link-Belt Co
Sharples Corp

THREADERS, PIPE & BOLT

Toledo Pipe Threading Mach Co
Oster Mfg Co

TILE, ACID-PROOF

National Carbon Co
Robinson Clay Product

TIMERS, ELECTRIC

Fisher Scientific Co

Bowmar Instrument Corp
Cutler-Hammer Inc
General Elec Co, Apparatus Sales Div
General Controls Co
C W Logeman Co
Partlow Corp
Wallace & Tiernan Inc

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TIMERS, INTERVAL

Standard Scientific Supply Corp

General Elec Co, Apparatus Sales Div
General Controls Co
C W Logeman Co

TIMERS, PNEUMATIC & ELECTRONIC

Baird-Atomic, Inc
Cutler-Hammer Inc
General Elec Co, Apparatus Sales Div
Geotechnical Corp
C W Logeman Co
Philips Electronic Instruments

TITRATORS, AUTOMATIC

Fisher Scientific Co

American Instrument Co
Beckman Instruments, Scientific & Process Instruments Div
Cutler-Hammer Inc
Laboratory Equipment Corp

TOOLS, PIPE

Oster Mfg Co
Victaulic Co of America

TORCHES

Fisher Scientific Co
Linde Co
National Cylinder Gas Div
North American Mfg Co

TOWERS, ABSORPTION

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**

Alco Products
Allied Steel Products Corp
American Water Softener Co
Arrow Tank Co
Bethlehem Steel Co
Boardman Co
Bros, Inc
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Flint Steel Mfg Co
Foster Wheeler Corp
Gas Machy Co
General American Transportation Corp
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Industrial Process Engrs
Kennedy Tank & Mfg Co
Knapp Mills Inc
Leader Iron Works
Mixing Equipment Co
National Carbon Co
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Resistoflex Corp
Claude B Schneible Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TOWERS, ACID

Fisher Scientific Co

Alco Products
Allied Steel Products Corp
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Bethlehem Steel Co
Boardman Co
Bros, Inc
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank Mfg Co
Downingtown Iron Works
Duriron Co
Electro Chem Engrg & Mfg Co
Falls Industries
B F Goodrich Industrial Prod Co
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Haveg Industries
Heil Process Equipment Corp
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
National Carbon Co
Nooter Corp
Pfaudler Co Div
Resistoflex Corp
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware

TOWERS, BUBBLE

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**

Alco Products
Allied Steel Products
Bethlehem Steel Co
Boardman Co
Bros, Inc
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Falls Industries
Flint Steel Mfg Co
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Kennedy Tank & Mfg Co
Knapp Mills Inc
Leader Iron Works
National Carbon Co
Nooter Corp
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Edw Renneburg & Sons Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger
Wyatt Metal & Boiler Works Div

TOWERS, COOLING

Acme Industries
Allied Steel Products Corp
American Air Filter Co
Arrow Tank Co
Bethlehem Steel Co
Boardman Co
Bros, Inc
Carrier Corp
R D Cole Mfg Co
Foster Wheeler Corp
Gas Machy Co
Haveg Industries
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Lilie-Hoffman Cooling Towers
Marley Co
Nooter Corp
Pfaudler Co Div
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Stover Co
Trinity Steel Co

TOWERS, EVAPORATOR

Alco Products
Allied Steel Products Corp
American Air Filter Co
Artisan Metal Products
Bethlehem Steel Co
Boardman Co
Bros, Inc
Carrier Corp
Chicago Bridge & Iron Co
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Delta Tank Mfg Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Stover Co
Todd Shipyards Corp
Trinity Steel Co
Vulcan Mfg
Wurster & Sanger
Wyatt Metal & Boiler Works Div

TOWERS, FRACTIONATING

First Machy Corp

Alco Products
Allied Steel Products Corp
Artisan Metal Products
Bethlehem Steel Co
Bishopric Products Co
S Blickman, Inc
Boardman Co
Bros, Inc
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Flint Steel Mfg Co
Foster Wheeler Corp
General American Transportation Corp
Graver Tank & Mfg Co
Haveg Industries
Industrial Process Engrs
Kennedy Tank & Mfg Co
Leader Iron Works
National Carbon Co
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Resistoflex Corp
A O Smith Corp
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works Div

TOWERS, PACKING

Allied Steel Products Corp
Automotive Rubber Co
Falls Industries
Haveg Industries
Industrial Process Engrs
Leader Iron Works
Metal Textile Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Podbielniak, Inc
Edw Renneburg & Sons Co
Schuyler Mfg Corp
Stover Co
Star Porcelain Co
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg

TOWERS, PACKING, ACID-PROOF

Automotive Rubber Co
Duriron Co
Falls Industries
Knapp Mills Inc
Leader Iron Works
Metal Textile Corp
National Carbon Co
Nooter Corp
Pfaudler Co Div
Schuyler Mfg Corp
Stover Co
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co

TOWERS, SCRUBBING

►**ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV**

Aerotec Industries
Allied Steel Products Corp
American Water Softener Co
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Bethlehem Steel Co
Boardman Co
Bros, Inc
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Matt Corcoran Co
Corning Glass Works
Falls Industries
Flint Steel Mfg Co
Gas Machy Co
General American Transportation Corp
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Haveg Industries
Edw Renneburg & Sons Co
Claude B Schneible Co
Schuyler Mfg Co
A O Smith Corp
Stearns-Roger Mfg Co
Stover Co
Struthers Wells Corp
Todd Shipyards Corp
Trinity Steel Co
United States Stoneware Co
Vulcan Mfg
Wendnagel & Co
Wyatt Metal & Boiler Works Div

TRACTOR-SHOVELS

Allis-Chalmers Mfg Co
Caterpillar Tractor Co
Eimco Corp
Frank G Hough Co
Pettibone Mulliken Corp
Yale & Towne Mfg Co

TRACTORS, INDUSTRIAL

Allis-Chalmers Mfg Co
Barrett-Cravens Co
Clark Equipment Co
Eimco Corp
Frank G Hough Co
Mercury Mfg Co
Pettibone Mulliken Corp
Revolvator Co
Yale & Towne Mfg Co

TRAILERS

►**DRESSER ELECTRONICS**
►**FULLER CO**

Baughman Mfg Co
Fruehauf Trailer Co
General Metals, Inc
Mercury Mfg Co
Pettibone Mulliken Corp
S I Handling Systems
Trinity Steel Co
West Bend Equipment

TRANSDUCERS

Branson Instruments
Conoflow Corp
Consolidated Controls
Consolidated Electrodynamics
Del Electronics Corp
Electro-Ceramics, Inc
Fischer & Porter Co
Gulton Industries
Hastings-Raydist
Minneapolis-Honeywell, Industrial Products
Narda Ultrasonics Corp
National Ultrasonic Corp
Potter Aeronautical Corp
Raytheon Co

TRANSFORMERS

Allis-Chalmers Mfg Co
Del Electronics Corp
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hevi-Duty Elec Co
I-T-E Circuit Breaker Co
Mico Instrument Co
Perkin Electronics Corp
Philips Electronic Instruments
Research-Cottrell
Simpson Elec Standard Transformer Co
Superior Elec Co
Wagner Elec Corp

TRANSMISSIONS, VARIABLE SPEED

Allis-Chalmers Mfg Co
Cleveland Worm & Gear Div
Eimco Corp
Falk Corp
Link-Belt Co
Oilgear Co
Sterling Elec Motors
United States Elec Motors
Worthington Corp

TRANSMITTERS, ELECTRICAL

BIF Industries
Bailey Meter Co
Foxboro Co
Fulton-Sylphon Div
General Elec Co, Apparatus Sales Div
Graham Transmissions Inc
Hastings-Raydist
Leeds & Northrup Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Republic Flow Meters Co

TRANSMITTERS, FLOW

BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brooks Instrument Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Hastings-Raydist
Infilco Inc
Leeds & Northrup Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co

TRANSMITTERS, FORCE BALANCE

BIF Industries
Bailey Meter Co
Bristol Co
Fischer & Porter Co
Foxboro Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co

TRANSMITTERS, PNEUMATIC

BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Conoflow Corp
Fischer & Porter Co
Foxboro Co
Fulton-Sylphon Div

►See catalog advertisement (Advertisers Index)

See company directory for addresses

Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co
Wallace & Tiernan Inc

TRANSMITTERS, POTENTIOMETER

Bristol Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products

TRANSMITTERS, POWER

Minneapolis-Honeywell, Industrial Products
Bristol Co

TRANSMITTERS, PRESSURE

BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Conoflow Corp
Consolidated Controls Corp
Fischer & Porter Co
Fisher Governor Co
Foxboro Co
Fulton-Syphon Div
Hastings-Raydist
Johnson Service Co
King Engrg Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co

TRANSMITTERS, TEMPERATURE

BIF Industries
Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Fischer & Porter Co
Foxboro Co
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
Moore Products Co
Republic Flow Meters Co

TRANSMITTERS, WEIGHT

BIF Industries
Minneapolis-Honeywell, Industrial Products
Merrick Scale Mfg Co
Toledo Scale
Weighing & Controls Inc

TRAPS, ACID

Allied Steel Products
Colonial Plastics Mfg Co
Corning Glass Works
Duriron Co
Knapp Mills Inc
Ralph C Rulon, Inc

TRAPS, AIR

American Air Filter Co
V D Anderson Co
Grinnell Co
Kaye & MacDonald
Strong, Carlisle & Hammond

TRAPS, LIFTING & VACUUM

Consolidated Electrodynamics
Consolidated Vacuum Corp
Johnson Corp
O G Kelley & Co
Sarco Co
Strong, Carlisle & Hammond

TRAPS, OIL

Strong, Carlisle & Hammond
V D Anderson Co
Viter Mfg Co

TRAPS, STEAM

American Air Filter Co
V D Anderson Co
Cochrane Div
Crane Co
Farris Engrg Corp
Kaye & MacDonald
Marsh Instrument Co
Sarco Co
Fred H Schaub Engrg Co
Strong, Carlisle & Hammond
Trane Co
Yarnall-Waring Co

TRAYS, BUBBLE

Standard Steel Corp

Allied Steel Products Corp
Bethlehem Steel Co
Boardman Co
Matt Corcoran Co
Delta Tank Mfg Co
Falls Industries
Haveg Industries
Industrial Process Engrs
Knapp Mills Inc
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Stearns-Roger Mfg Co
Vulcan Mfg
Wyatt Metal & Boiler Works Div

TRAYS, DRYING & EVAPORATING

Allied Steel Products Corp
Boardman Co
Haveg Industries
Kirk & Blum Mfg Co
Knapp Mills Inc
Joseph Oat & Sons
Vulcan Mfg Co

TRAYS, SECTIONAL

Allied Steel Products Corp
Matt Corcoran Co
Delta Tank Mfg Co
Haveg Industries
Kirk & Blum Mfg Co
Vulcan Mfg
Wyatt Metal & Boiler Works Div

TRIPPLERS, BELT CONVEYOR

E W Buschman Co
Chain Belt Co
Link-Belt Co
Lippmann Engrg Works
Manufacturers Equipment Co
Stephens-Adamson Mfg Co

TROLLEYS

E W Buschman Co
Electro-Lift, Inc
Link-Belt Co
Wright Hoist Div
Yale & Towne Mfg Co

TRUCKS, BARREL

Allis-Chalmers Mfg Co
Barrett-Cravens Co
Fairbanks Co
Hamilton Caster & Mfg Co
Hodgson Engrg & Mfg Co
S I Handling Systems
Sabin Mach Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, ELEVATING

Allis-Chalmers Mfg Co
American Pulley Co
Barrett-Cravens Co
Fairbanks Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co

TRUCKS, FORK

Allis-Chalmers Mfg Co,
Barrett-Cravens Co
Clark Equipment Co
Elwell-Parker Elec Co
Frank G Hough Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, HAND LIFT

American Pulley Co
Barrett-Cravens Co
Clark Equipment Co
Hamilton Caster & Mfg Co
Raymond Corp
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co

TRUCKS, INDUSTRIAL

Allis-Chalmers Mfg Co, Engine Material Handling Div
Barrett-Cravens Co
Clark Equipment Co
Elwell-Parker Elec Co
Fairbanks Co
General Metals, Inc
Frank G Hough Co
Mercury Mfg Co
Pettibone Mulliken Corp
Prime-Mover Co
Raymond Corp
Revolvator Co
S I Handling Systems
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, LIFT

J H Day Co Div

Allis-Chalmers Mfg Co
Barrett-Cravens Co
Clark Equipment Co
Elwell-Parker Elec Co
Frank G Hough Co
Mercury Mfg Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, PALLET

Allis-Chalmers Mfg Co
Barrett-Cravens Co
Baughman Mfg Co
Clark Equipment Co
Elwell-Parker Elec Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co

TRUCKS, PLATFORM

Allis-Chalmers Mfg Co
American Pulley Co
Barrett-Cravens Co
Clark Equipment Co
Elwell-Parker Elec Co
Fairbanks Co
Hamilton Caster & Mfg Co
Mercury Mfg Co
Pettibone Mulliken Corp
Prime-Mover Co
Raymond Corp
Revolvator Co
S I Handling Systems
Sabin Mach Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, POWER

Barrett-Cravens Co
Elwell-Parker Elec Co
Pettibone Mulliken Corp
Prime-Mover Co
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, STRADDLE

Barrett-Cravens Co
Clark Equipment Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TUBE FILLING & CLOSING MACHINES

First Machy Corp

Arthur Colton Co
St Regis Paper Co

TUBE MACHINERY, COLLAPSIBLE

First Machy Corp

Popper & Sons

TUBES, COLLAPSIBLE

Reliance Plastic & Chem Corp

TUBES, COMBUSTION

Acipco Steel Products Div
Corning Glass Works
Fischer & Porter Co
McDanel Refractory Porcleain Co

TUBES, CONDENSER

Allied Steel Products Corp
Aluminum Co of America
Ampco Metal
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
Bridgeport Brass Co
Brown Fintube Co
Carpenter Steel Co
Chase Brass & Copper Co
Clayton Mark & Co
Condenser Service & Engrg Co
Corning Glass Works
Crucible Steel Co of America
Fischer & Porter Co
Hamilton Caster & Mfg Co
Middlesex Paper Tube Co
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Superior Tube Co
Swan Mfg Corp
Union Steel Corp
Wolverine Tube Div

TUBES, COPPER

Allied Steel Products Corp
Anconda American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Crescent Insulated Wire & Cable Co
Revere Copper & Brass
Wolverine Tube Div

TUBES, CORROSION-RESISTING ALLOY

►**SWEPCO TUBE CORP**

Acipco Steel Products Div
Allied Steel Products Corp
Aluminum Co of America
American Smelting & Refining Co
Ampco Metal
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Duriron Co
Esco Corp
Greenville Tubes, Inc
Haynes Stellite Co
Huntington Alloy Products Div
Knapp Mills Inc
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
W G Rovang & Assoc
A O Smith Corp
Stainless Products
Superior Tube Co
Timken Roller Bearing Co
Union Steel Corp
Wolverine Tube Div

TUBES, EVAPORATOR

Allied Steel Products Corp
Ampco Metal
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
Bridgeport Brass Co
Carpenter Steel Co
Chase Brass & Copper Co
Clayton Mark & Co
Crucible Steel Co of America
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Superior Tube Co
Union Steel Corp
Wolverine Tube Div

TUBES, GENTILE FLOW

Condenser Service & Engrg Co
Foster Engrg Div
General Controls Co
Wolverine Tube Div

TUBES, HEAT EXCHANGER

Allied Steel Products Corp
Ampco Metal
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
Bridgeport Brass Co
Brown Fintube Co
Carpenter Steel Co
Chase Brass & Copper Co
Clayton Mark & Co
Condenser Service & Engrg Co
Crucible Steel Co of America

(Continued)

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TUBES, HEAT EXCHANGER (continued)

Corning Glass Works
Duriron Co
Electro Refractories & Abrasives Corp
Esco Corp
Heatron, Inc
Heil Process Equipment Corp
Huntington Alloy Products Div
National Carbon Co
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
A O Smith Corp
E C Smith Mfg Co
Superior Tube Co
Swan Mfg Corp
Union Steel Corp
Wolverine Tube Div

TUBES, PYROMETER

Calorizing Co
Corning Glass Works
Electro Refractories & Abrasives Corp
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
McDanel Refractory Porcelain Co
Pyrometer Co of America
West Instrument Corp

TUBES, THERMOCOUPLE

Calorizing Co
Corning Glass Works
Electro Refractories & Abrasives Corp
Leeds & Northrup Co
Norton Co
Pyrometer Co of America
E C Smith Mfg Co
Superior Tube Co
Thermo Elec Co
West Instrument Corp

TUBES, VENTURI

BIF Industries
Carl N Beetle Plastics Corp
Crucible Steel Co of America
General Controls Co
Infilco Inc
Republic Steel Corp, Steel & Tubes Div
Superior Tube Co

TUBES & CORES, PAPER

Master Package Corp
Middlesex Paper Tube Co
R C Can Co

TUBING, ALUMINUM, BRONZE

Dow Chem Co

Aluminum Co of America
Ampco Metal
Anaconda American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Crescent Insulated Wire & Cable Co
Engelhard Industries
Harvey Aluminum
Revere Copper & Brass
Wolverine Tube Div

TUBING, CARBON

Brown Fintube Co
Carbone Corp
Clayton Mark & Co
Esco Corp
Falls Industries
Heil Process Equipment
National Carbon Co
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
Timken Roller Bearing Co

TUBING, FINNED

Alco Products
Anaconda American Brass Co
Bridgeport Brass Co
Brown Fintube Co
Carpenter Steel Co
Condenser Service & Engrg Co
Chase Brass & Copper Co
Griscom-Russell Co
Heatron, Inc
Knapp Mills Inc
National Carbon Co
Revere Copper & Brass
Superior Tube Co
Trane Co

TUBING, FLEXIBLE, METAL

Allied Metal Hose Co

Aeroquip Corp
Anaconda American Brass Co
Anaconda Metal Hose Div
Chase Brass & Copper Co
Crescent Insulated Wire & Cable Co
Esco Corp
Crucible Steel Co of America
Flexaust Co
Flexonics Div
B F Goodrich Industrial Prod Co
Packless Metal Hose
Zallea Bros

TUBING, FLUOROPLASTIC

Anaconda Metal Hose Div
Chemical & Power Products
Chicago Gasket Co
Garlock Inc
Polymer Corp
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Resistoflex Corp

TUBING, GLASS

Fisher Scientific Co
Standard Scientific Supply Corp

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co

TUBING, GLASS, PRECISION BORE

Corning Glass Works
Fischer & Porter Co
Podbielniak, Inc

TUBING, HARD RUBBER

American Hard Rubber Co
Gates Rubber Co
B F Goodrich Industrial Products Co
Hewitt-Robins
Luzerne Rubber Co
Spiral-Glas Pipe Co

TUBING, INSPECTION INSTRUMENTS

Crescent Insulated Wire & Cable Co
Fischer & Porter Co

TUBING, NICKEL ALLOY

►SWEPCO TUBE CORP

Acipco Steel Products Div
Allied Steel Products Corp
Anaconda American Brass Co
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Bridgeport Brass Co
Calorizing Co
Carpenter Steel Co
Crucible Steel Co of America
Chase Brass & Copper Co
Esco Corp
Greenville Tubes, Inc
Haynes Stellite Co
Huntington Alloy Products Div
Republic Steel Corp, Steel & Tubes Div
W G Rovang & Assoc
Stainless Products
Superior Tube Co
Timken Roller Bearing Co
Trent Tube Co

TUBING, PLASTIC

Fisher Scientific Co

Alpha Plastics
American Hard Rubber Co
Blaco Mfg Co
Chase Brass & Copper Co
Chemical & Power Products
Colonial Plastics Mfg Co
Crescent Insulated Wire & Cable Co
Evanite Plastic Co
Geauga Industries Co
Gering Plastics Div
B F Goodrich Industrial Products Co
Haveg Industries
Heil Process Equipment Corp
Imperial-Eastman Corp
Knapp Mills Inc
Luzerne Rubber Co
Naige Co
Parker Fittings & Hose Div
Pelamay Products
Polymer Corp
Protective Lining Corp
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Resdel Corp
Resistoflex Corp
Spiral-Glas Pipe Co
United States Rubber Co
United States Stoneware Co

TUBING, POLYETHYLENE

►CHASE BAG CO
Fisher Scientific Co

American Hard Rubber Co
Belmont Burlap Bag Co
Crescent Insulated Wire & Cable Co
Gering Plastics Div
Heil Process Equipment Corp
Imperial Eastman Corp
Naige Co
Parker Fittings & Hose Div
Pelamay Products
Protective Lining Corp
Reliance Plastic & Chem Corp
Timken Roller Bearing Co
United States Stoneware Co

TUBING, PROTECTED PNEUMATIC

Bailey Meter Co
Crescent Insulated Wire & Cable Co
Huntington Alloy Products
Republic Steel Corp, Steel & Tubes Div

TUBING, RUBBER

Fisher Scientific Co
Standard Scientific Supply Corp

American Biltrite Rubber Co
Blaco Mfg Co
Connecticut Hard Rubber Co
Gates Rubber Co
Geauga Industries Co
Hewitt-Robins
Mercer Rubber Co
Raybestos-Manhattan
Republic Rubber Div
Roberts Toledo Rubber Co
M L Snyder & Son
Spiral-Glas Pipe Co
United States Rubber Co

TUBING, SERAN

Dow Chem Co

American Hard Rubber Co
Raybestos-Manhattan

TUBING, SEAMLESS

Fisher Scientific Co

Ampco Metal
Anaconda American Brass
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
J Bishop & Co Platinum Works
Bridgeport Brass Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Esco Corp
Fansteel Metallurgical Corp
Greenville Tubes, Inc
Harvey Aluminum
International Nickel Co
L Frank Markel & Sons
Norton Co
Pacific Tube Co
Republic Steel Corp
Revere Copper & Brass
Superior Tube Co
Timken Roller Bearing Co
Trent Tube Co
Union Steel Corp
Wolverine Tube Div

TUBING, STAINLESS

►SWEPCO TUBE CORP

Acipco Steel Products Div
Aeroquip Corp
Allied Steel Products Corp
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Calorizing Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Esco Corp
Flexonics Div
Greenville Tubes, Inc
Huntington Alloy Products Div
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
W G Rovang & Assoc
St Regis Paper Co
Stainless Products
Superior Tube Co
Timken Roller Bearing Co
Trent Tube Co
Union Steel Corp

TUBING, TANTALUM

J Bishop & Co Platinum Works
Crucible Steel Co of America
Haynes Stellite Co
Fansteel Metallurgical Corp
Superior Tube Co
Wolverine Tube Div

TUBING, TIN

Division Lead Co

TUBING, TITANIUM

Crucible Steel Co of America
Esco Corp
Harvey Aluminum
Superior Tube Co
Republic Steel Corp, Steel & Tubes Div
Trent Tube Co
Wolverine Tube Div

TUBING, WELDED

►SWEPCO TUBE CORP

Allied Steel Products Corp
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Carpenter Steel Co
Clayton Mark & Co
Crucible Steel Co of America
Greenville Tubes, Inc
Haynes Stellite Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Superior Tube Co
Trent Tube Co
Union Steel Corp
Wolverine Tube Div

TUBING, ZIRCONIUM

Chase Brass & Copper Co
Crucible Steel Co of America
Electric Steel Foundry Co
Harvey Aluminum
Republic Steel Corp, Steel & Tubes Div
Superior Tube Co
Trent Tube Co
Wolverine Tube Div

TURBINES, GAS

Beckman & Whitley
Clark Bros Co
Cooper-Bessemer Corp
Coppus Engrg Corp
Elliott Co
General Elec Co, Apparatus Sales Div

TURBINES, HYDRAULIC

Allis-Chalmers Mfg Co
Pfaudler Co Div
Davis Foundry & Mach Works

TURBINES, MECHANICAL DRIVE

Coppus Engrg Corp
Elliott Co
General Elec Co, Apparatus Sales Div
Pfaudler Co Div
Terry Steam Turbine Co
L J Wing Mfg Co
Worthington Corp

TURBINES, MERCURY

General Elec Co, Apparatus Sales Div

TURBINES, STEAM

Allis-Chalmers Mfg Co
Carrier Corp
Coppus Engrg Corp
Elliott Co
Engineering Controls
General Elec Co, Apparatus Sales Div
Terry Steam Turbine Co
L J Wing Mfg Co
Worthington Corp

TURNTABLES

Hardinge Co

U, V

UNIONS

►HENRY VOGT MACH CO

Ampco Metal
Clayton Mark & Co
Colonial Plastics Mfg Co
Lunkenheimer Co
B F Goodrich Industrial Products Co
Speedline Fittings Div
Walworth Co

UNLOADERS, CAR

►FULLER CO
Heyl & Patterson, Inc

Barber-Greene Co
Baughman Mfg Co
Brady Conveyors Corp
Day Co
Delta Tank Mfg Co
Flexoveyor Mfg Co
Frank G Hough Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Materials Handling Equipment Co
Myers Sherman Co
OPW-Jordan
Pettibone Mulliken Corp
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Wheaton Brass Works

UNLOADERS, HYDRAULIC TRUCK

Baughman Mfg Co
Frank G Hough Co
Link-Belt Co
Wheaton Brass Works

UNLOADERS, VIBRATING, CAR

Allis-Chalmers Mfg Co
Cleveland Vibrator Co
Hewitt-Robins
Link-Belt Co
Martin Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

VACUUM COATERS & FREEZERS

Consolidated Electrodynamics
F J Cooke Inc
Dean Products, Inc
N R C Equipment Corp
F J Stokes Corp

VALVES, ACID-RESISTING

Airmatic Valve
Alco Products
Allis-Chalmers Mfg Co
Alloy Steel Products Corp
American Smelting & Refining Co
Associated Valve Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
Cameron Iron Works
A W Cash Co
Chem Flow Corp
Colonial Plastics Mfg Co
Conoflow Corp
Continental Mfg Co
Cooper Alloy Corp
Crane Co
Crosby Valve & Gage Co
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Delaware Barrel & Drum Co
Duriron Co
Eco Engrg Co
Edward Valves, Inc
Esco Corp
Everlasting Valve Co
Falls Industries
Farris Engrg Corp
Fulton-Syphon Div
Galigher Co
General Controls Co
B F Goodrich Industrial Products Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Jerguson Gage & Valve Co
Klipfel Valve Div
Ladish Co, Tri-Clover Div
Leslie Co
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Mission Mfg Co
National Carbon Co
OPW-Jordan
Ohio Injector Co
Parks-Cramer Co
Pfaudler Co Div
Wm Powell Co
RKL Controls, Inc
Red Jacket Co
Republic Mfg Co
Rockwell Mfg Co
W S Rockwell Co
W G Rovang & Assoc
Schutte & Koerting Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Plastics

VALVES, AEROSOL

Aerated Container Corp
Aeroprojects, Inc
Aerosol Research Corp
Clayton Corp
Clinton Valves, Inc
Dill Mfg Co
Emson Research, Inc
Hampton Products Co
Le May Valve Co
Thomas J Mahon, Inc
Newman-Green, Inc
Oil Equipment Labs, Inc
Precision Valve Corp
Risdon Mfg Co, Aerosol Div
A Schraders Son Div
Seaquist Mfg Corp
Super Whip Valve Co
Valve Corp of America

VALVES, AIR

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Airetool Mfg Co
Airmatic Valve
Atkomatic Valve Co
Atlas Valve Co
Automotive Rubber Co
Barksdale Valves
Bethlehem Steel Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Cleco Air Tools Div
Cleveland Vibrator Co
Conoflow Corp
Consolidated Controls Corp
Continental Mfg Co
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Eclipse Fuel Engrg Co, Combustion Div
Edward Valves, Inc
Esco Corp
Fairbanks Co
Farris Engrg Corp
Fulton-Syphon Div
Galland-Henning Mfg Co
General Controls Co
Grinnell Co
Hammel-Dahl
Hanna Engrg Works
Hannifin Co
Hills-McCanna Co
Hoke, Inc
Hose Accessories Co
Imperial-Eastman Corp
Jamesbury Corp
Johnson Corp
Johnson Service Co
Kidde Aero-Space Div
Klipfel Valve Div
Laboratory Furniture Co
Ladish Co
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co
Minneapolis-Honeywell, Industrial Products
Mission Mfg Co
North American Mfg Co
OPW-Jordan
Pennsylvania Pump & Compressor Co
Wm Powell Co
Pyronics, Inc
RKL Controls, Inc
Republic Mfg Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Walworth Co
Worcester Valve Co

VALVES, AUTOMATIC

Airmatic Valve
Associated Valve Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Conoflow Corp
Consolidated Vacuum Corp
Continental Mfg Co
Coppus Engrg Corp
George W Dahl Co
De Zurik Corp
Eclipse Fuel Engrg Co, Combustion Div
Edward Valves, Inc
Farris Engrg Corp
Foxboro Co
Fulton-Sylphon Div
Galland-Henning Mfg Co
General Controls Co
Grinnell Co
Hammel-Dahl
Hanna Engrg Works
Hannifin Co
Hills-McCanna Co
Jamesbury Corp
Johnson Service Co
Klipfel Valve Div
Ladish Co
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
RKL Controls, Inc
Republic Flow Meters Co
Rockwell Mfg Co
W S Rockwell Co
Schade Valve Mfg Co
Schutte & Koerting Co
Spence Engrg Co
Walworth Co

VALVES, BALANCED

American Air Filter Co
Automatic Switch Co
Black, Sivalls & Bryson
Bryant Industrial Products Corp
A W Cash Co
Chase Brass & Copper Co
Copes-Vulcan Div
George W Dahl Co
Farris Engrg Corp
Fulton-Sylphon Div
Hammel-Dahl
Hannifin Co
Hoke Inc
Johnson Service Co
Kaye & MacDonald
Klipfel Valve Div
Leslie Co
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
Oilgear Co
Republic Flow Meters Co
Republic Mfg Co
Schade Valve Mfg Co
Spence Engrg Co

VALVES, BACK PRESSURE

American Meter Co
Associated Valve Co
Atlas Valve Co
Black, Sivalls & Bryson
A W Cash Co
Clark-Cooper Co
Cochrane Div
Cooper Alloy Corp
George W Dahl Co
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Esco Corp
Farris Engrg Corp
Fisher Governor Co
General Controls Co
Gray Co
Hammel-Dahl
Kennedy Valve Mfg Co
Klipfel Valve Div
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Milton Roy Co
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
Pyronics, Inc
Schutte & Koerting Co
Spence Engrg Co
Stockham Valves & Fittings
Vapor Recovery Systems Co

VALVES, BALL

Allis-Chalmers Mfg Co
American-Standard Controls Div
Cameron Iron Works
Clayton Mark & Co
Colonial Plastics Mfg Co
Consolidated Vacuum
Cooper Alloy Corp
Crane Co
Edward Valves, Inc
Fairbanks Co
Falls Industries
Fisher Governor Co
Foxboro Co
General Controls Co
B F Goodrich Industrial Products Co
Haveg Industries
Hoke Inc
Jamesbury Corp
Klipfel Valve Div
Lunkenheimer Co
Republic Mfg Co
Sealol, Inc
F J Stokes Corp
Strong, Carlisle & Hammond
Tube Turns Plastics
Vapor Recovery Systems Co
W-K-M Div
Walworth Co
Worcester Valve Co

VALVES, BLOWOFF

De Zurik Corp
Edward Valves, Inc
Esco Corp
Everlasting Valve Co
Falls Industries
Farris Engrg Corp
General Controls Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Wm Powell Co
Schutte & Koerting Co
Strong, Carlisle & Hammond
Yarnall-Waring Co

VALVES, BUTTERFLY

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Allis-Chalmers Mfg Co
American-Standard Controls Div
BIF Industries
Consolidated Vacuum Corp
Continental Equipment Co
Crane Co
Darling Valve & Mfg Co
Eclipse Fuel Engrg Co, Combustion Div
Esco Corp
Fisher Governor Co
Foxboro Co
Gas Machy Co
General Controls Co
Haveg Industries
Ladish Co, Tri-Clover Div
Lunkenheimer Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
North American Mfg Co
Patterson-Kelley Co
Wm Powell Co
Pyronics, Inc
Republic Flow Meters Co
W S Rockwell Co
Schutte & Koerting Co
Walworth Co

VALVES, BYPASS

Associated Valve Co
Atkomatic Valve Co
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Edward Valves, Inc
Esco Corp
General Controls Co
Johnson Service Co
Kennedy Valve Mfg Co
Klipfel Valves Inc
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
OPW-Jordan
Wm Powell Co
Pyronics, Inc
Schutte & Koerting Co
Stockham Valves & Fittings
Vilter Mfg Co
Walworth Co

VALVES, CHECK

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
Hetherington & Berner
►HENRY VOGT MACH CO

Allis-Chalmers Mfg Co
Alloy Steel Products Co
American-Standard Controls Div
Associated Valve Co
Atkomatic Valve Co
Campbell Mfg Co
Chase Brass & Copper Co
Chem Flow Corp
Clarke Bros Co
Clayton Mark & Co
Cochrane Div
Colonial Plastics Mfg Co
Consolidated Controls Corp
Cooper Alloy Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
Duriron Co
Eclipse Fuel Engrg Co, Combustion Div
Edward Valves, Inc
Esco Corp
Fairbanks Co
Galland-Henning Mfg Co
General Controls Co
B F Goodrich Industrial Prod Co
Grinnell Co
Hannifin Co
Hoke, Inc
Imperial-Eastman Corp
Jeffrey Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Mission Mfg Co
OPW-Jordan
Ohio Injector Co
Parks-Cramer Co
Pennsylvania Pump & Compressor Co
H A Phillips & Co
Wm Powell Co
Republic Mfg Co
W G Rovang & Assoc
Schutte & Koerting Co
Sealol, Inc
C E Squires Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stockham Valves & Fittings
Strong, Carlisle & Hammond
Tube Turns Plastics
Vapor Recovery Systems Co
Vernon Tool Co
Vilter Mfg Co
Walworth Co

VALVES, CHLORINE

►HENRY VOGT MACH CO

Airmatic Valve
American Car & Foundry Div
Associated Valve Co
Automatic Switch Co
Automotive Rubber Co
Cameron Iron Works
Continental Mfg Co
Cooper Alloy Corp
Crane Co
Crosby Valve & Gage Co
George W Dahl Co
De Zurik Corp
Duriron Co
Esco Corp
Farris Engrg Corp
Fischer & Porter Co
General Controls Co
Grinnell Co
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Ladish Co
Leslie Co
Ohio Injector Co
OPW-Jordan
W G Rovang & Assoc
Star Tank & Filter Corp
Stockham Valves & Fittings

VALVES, COMPRESSOR, SUCTION & DISCHARGE

American Instrument Co
Atkomatic Valve Co
Automatic Switch Co
A W Cash Co

(Continued)

VALVES, COMPRESSOR, SUCTION & DISCHARGE (continued)

Crane Co
Edward Valves, Inc
Leslie Co
Pressure Products Industries
Wm Powell Co
Pulverizing Machy Div
W S Rockwell Co
Vilter Mfg Co
York Corp

VALVES, CONTROL, ELECTRIC

►FULLER CO

Airmatic Valve
Allis-Chalmers Mfg Co
Alloy Steel Products Co
Associated Valve Co
Atkomatic Valve Co
Automotive Rubber Co
BIF Industries
Barksdale Valves
Clark-Cooper Co
Conoflow Corp
Consolidated Controls Corp
Continental Equipment Co
Cooper Alloy Corp
Continental Mfg Co
Copes-Vulcan Div
Cutler-Hammer Inc
Darling Valve & Mfg Co
De Zurik Corp
Edward Valves, Inc
Falls Industries
Fisher Governor Co
Foxboro Co
Fulton-Sylphon Div
Galland-Henning Mfg Co
General Controls Co
Hanna Engrg Works
Hannifin Co
Hills-McCanna Co
Jamesbury Corp
Johnson Corp
Johnson Service Co
Jordan Controls
Kennedy Valve Mfg Co
Ladish Co, Tri-Clover Div
Leeds & Northrup Co
Leslie Co
Lunkenheimer Co
Mason-Neilan Div
Oilgear Co
Wm Powell Co
Pyronics, Inc
RKL Controls, Inc
Republic Flow Meters
Rockwell Mfg Co
W S Rockwell Co
W G Rovang & Assoc
Schade Valve Mfg Co
Stockham Valves & Fittings

VALVES, CONTROL, HYDRAULIC

Airmatic Valve
Allis-Chalmers Mfg Co
Alloy Steel Products Co
American Water Softener Co
Associated Valve Co
Atlas Valve Co
Automatic Switch Co
BIF Industries
Barksdale Valves
Cameron Iron Works
A W Cash Co
Consolidated Controls Corp
Continental Equipment Co
Continental Mfg Co
Cooper Alloy Corp
Copes-Vulcan Div
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Edward Valves, Inc
Falls Industries
Fischer & Porter Co
Fulton-Sylphon Div
Galigher Co
Galland-Henning Mfg Co
General Controls Co
Hammel-Dahl
Hanna Engrg Works
Hannifin Co
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Kennedy Valve Mfg Co
Ladish Co
Leslie Co
Manning, Maxwell & Moore, Inc
Minneapolis-Honeywell, Industrial Products
North American Mfg Co
Parker Hydraulics Div, Parker-Hannifin Corp
Wm Powell Co
Pyronics, Inc
RKL Controls, Inc
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
W S Rockwell Co
W G Rovang & Assoc
Schade Valve Mfg Co
Schutte & Koerting Co
Stockham Valves & Fittings

VALVES, CORROSION RESISTANT

Dow Chem Co

Airmatic Valve
Alco Products
Allis-Chalmers Mfg Co
Alloy Steel Products Co
American Hard Rubber Co
American Water Softener Co
Associated Valve Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
Bristol Co
Cameron Iron Works
A W Cash Co
Chem Flow Corp
Colonial Plastics Mfg Co
Continental Mfg Co
Cooper Alloy Corp
Crane Co
Crosby Valve & Gage Co
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Duriron Co
Edward Valves, Inc
Esco Corp
Falls Industries
Farris Engrg Corp
Fischer & Porter Co
Fulton-Sylphon Div
Galigher Co
Galland-Henning Mfg Co
B F Goodrich Industrial Products Co
Grinnell Co
Hammel-Dahl
Hannifin Co
Haveg Industries
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Kennedy Valve Mfg Co
Klipfel Valve Div
Knapp Mills Inc
Ladish Co
Leslie Co
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Marsh Instruments
Minneapolis-Honeywell, Industrial Products
National Carbon Co
OPW-Jordan
Parks-Cramer Co
Pfaudler Co Div
Wm Powell Co
RKL Controls, Inc
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
W S Rockwell Co
W G Rovang & Assoc
Schutte & Koerting Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Plastics
Terriss-Consolidated Industries
Walworth Co
Worcester Valve Co

VALVES, DIAPHRAGM

Dow Chem Co

Airmatic Valve
American Hard Rubber Co
Associated Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
BIF Industries
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Clark-Cooper Div
Colonial Plastics Mfg Co
Conoflow Corp
Crane Co
Copes-Vulcan Div
George W Dahl Co
Eclipse Fuel Engrg Co, Combustion Div
Falls Industries
Farris Engrg Corp
Foster Engrg Div
Foxboro Co
Galigher Co
General Controls Co
B F Goodrich Industrial Products Co
Gray Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Imperial-Eastman Corp
Johnson Corp
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
OPW-Jordan
Pressure Products Industries
Pyronics, Inc
Republic Flow Meters Co
W S Rockwell Co
Schade Valve Mfg Co
Schutte & Koerting Co
Tube Turns Plastics
Walworth Co
York Corp

VALVES, DIAPHRAGM CONTROL

Airmatic Valve
American Meter Co
Associated Valve Co
Automatic Switch Co
Automotive Rubber Co
BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Builders-Providence Div
A W Cash Co
Conoflow Corp
Continental Equipment Co
Copes-Vulcan Div
Crane Co
George W Dahl Co
Delta Tank Mfg Co
Falls Industries
Farris Engrg Corp
Fischer & Porter Co
Fisher Governor Co
Foster Engrg Div
Foxboro Co
Fulton-Sylphon Div
Galigher Co
General Controls Co
Gray Co
B F Goodrich Industrial Prod Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Johnson Service Co
Klipfel Valve Div
Ladish Co
Leslie Co
Mason-Neilan Div
Minneapolis-Honeywell, Industrial Products
North American Mfg Co
OPW-Jordan
Parks-Cramer Co
Partlow Corp
Pressure Products Industries
Pyronics, Inc
RKL Controls, Inc
Republic Flow Meters Co
Republic Rubber Div
W S Rockwell Co
Schade Valve Mfg Co
Schutte & Koerting Co
York Corp

VALVES, DRAIN

Associated Valve Co
Automatic Switch Co
Chase Brass & Copper Co
Chem Flow Corp
Continental Mfg Co
Cooper Alloy Corp
De Zurik Corp
Edward Valves, Inc
Everlasting Valves, Inc
Falls Industries
Hoke Inc
Manning, Maxwell & Moore, Inc
Lunkenheimer Co
OPW Jordan
Pail Corp
Pfaudler Co Div
RKL Controls, Inc
Republic Mfg Co
A O Smith Corp
Star Tank & Filter Corp
Stockham Valves & Fittings
Strahman Valves
Vernon Tool Co
Wheaton Brass Works
Yarnall-Waring Co

VALVES, ELECTRIC

Airmatic Valve
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Clark-Cooper Co
Conoflow Corp
De Zurik Corp
Edward Valves, Inc
Fulton-Sylphon Div
Galland-Henning Mfg Co
General Controls Co
Hanna Engrg Works
Hannifin Co
Jamesbury Corp
Leeds & Northrup Co
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
North American Mfg Co
Pyronics, Inc
RKL Controls, Inc
W S Rockwell Co
Schade Valve Mfg Co
Schutte & Koerting Co

VALVES, EXCESS FLOW

Associated Valve Co
Atlas Valve Co
Coppus Engrg Corp
Edwards Valves, Inc
General Controls Co
Hanna Engrg Works
Jerguson Gage & Valve Co
Leslie Co
Klipfel Valve Div
Pressure Products Industries
Stockham Valves & Fittings
Yarnall-Waring Co

VALVES, FLOAT

American Hard Rubber Co
Associated Valve Co
Atlas Valve Co
Black, Sivalls & Bryson
Clark-Cooper Co
Continental Equipment Co
Crane Co
Duriron Co
Fischer & Porter Co
Fisher Governor Co
Foster Engrg Div
Fulton-Sylphon Div
General Controls Co
Kaye & MacDonald
Klipfel Valve Div
Ladish Co, Tri-Clover Div
Luzerne Rubber Co
Marsh Instrument Co
McDonnell & Miller
H A Phillips & Co
W S Rockwell Co
Schade Valve Mfg Co
Schutte & Koerting Co
Terriss-Consolidated Industries
Vilter Mfg Co
Western Precipitation Div
York Corp

VALVES, GAS REVERSING

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Black, Sivalls & Bryson
Continental Mfg Co
De Zurik Corp
H A Phillips Co

VALVES, GATE

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
►FULLER CO
Hetherington & Berner
D J Murray Mfg Co
►HENRY VOGT MACH CO

Alco Products
Alloy Steel Products Co
American Hard Rubber Co
American-Standard Controls Div
Beaumont Birch Co
Cameron Iron Works
Chase Brass & Copper Co
Consolidated Vacuum Corp
Cooper Alloy Corp
Crane Co
Darling Valve & Mfg Co
Day Co
De Zurik Corp
Edward Valves, Inc
Esco Corp
Everlasting Valve Co
Fairbanks Co
Gas Machy Co
General Controls Co
Gifford-Wood Co
Jeffrey Mfg Co
Kennedy Valve Mfg Co
Ladish Co
Link-Belt Co
Lunkenheimer Co
Luzerne Rubber Co
Manitowoc Shipbuilding, Inc
Manning, Maxwell & Moore, Inc
Myers Sherman Co
Ohio Injector Co
Wm Powell Co
W G Rovang & Assoc
Sarco Co
Schutte & Koerting Co
Stedman Foundry & Mach Co
Stockham Valves & Fittings
Tube Turns Plastics
W-K-M Div
Worcester Valve Co
York Corp

VALVES, GATE, ROTARY

►FULLER CO

Alco Products
Allis-Chalmers Mfg Co
Beaumont Birch Co
Day Co
De Zurik Corp
Jeffrey Mfg Co
Link-Belt Co
Manning, Maxwell & Moore, Inc
National Conveyors Co
Pulverizing Machy Div
W G Rovang & Assoc
Young Machy Co

VALVES, GAUGE

Alloy Steel Products Co
Associated Valve Co
Continental Mfg Co
Cooper Alloy Corp
Crane Co
Edward Valves, Inc
General Controls Co
Hoke Inc
Jerguson Gage & Valve Co
Ladish Co
Marsh Instrument Co
Republic Flow Meters Co
Strahman Valves

VALVES, GLOBE

►HENRY VOGT MACH CO

Alloy Steel Products Co
American-Standard Controls Div
Associated Valve Co
Atkomatic Valve Co
Chase Brass & Copper Co
Colonial Plastics Mfg Co
Consolidated Vacuum Corp
Conoflow Corp
Cooper Alloy Corp
Crane Co
George W Dahl Co
Edward Valves, Inc
Esco Corp
Foster Engrg Div
Fulton-Sylphon Div
General Controls Co
Grinnell Co
Hammel-Dahl
Hoke Inc
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Ladish Co
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Marsh Instrument Co

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National Carbon Co
Ohio Injector Co
Wm Powell Co
Republic Flow Meters Co
Republic Mfg Co
Sarco Co
Schutte & Koerting Co
Stockham Valves & Fittings
Strahman Valves
Tube Turns Plastics
Vilter Mfg Co
Walworth Co
York Corp

VALVES, HIGH PRESSURE CYLINDER

►HENRY VOGT MACH CO

American Instrument Co
Autoclave Engrs Sales Corp
A W Cash Co
Copper Alloy Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
Fisher Governor Co
General Controls Co
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Kidde Aero-Space Div
Leslie Co
Lunkenheimer Co
Pressure Products Industries
Republic Flow Meters Co
W S Rockwell Co
Scott Aviation Corp
Schutte & Koerting Co
Stockham Valves & Fittings

VALVES, HIGH VACUUM

Airmatic Valve
Alloy Steel Products Co
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Beaumont Birch Co
A W Cash Co
Consolidated Vacuum Corp
Continental Equipment Co
Continental Mfg Co
F J Cooke Inc
Cooper Alloy Corp
Crane Co
George W Dahl Co
De Zurik Corp
Edward Valves, Inc
General Controls Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Leslie Co
N R C Equipment Corp
Wm Powell Co
RKL Controls, Inc
Arthur F Smith, Inc
Stockham Valves & Fittings
F J Stokes Corp
Worcester Valve Co

VALVES, JACKETED

Hetherington & Berner
Heirad Industries
Alco Products
Alloy Steel Products Co
A W Cash Co
Consolidated Vacuum Corp
Continental Mfg Co
Cooper Alloy Corp
Crosby Valve & Gage Co
De Zurik Corp
J P Devine Mfg Co
Everlasting Valve Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Industrial Process Engrs
Jamesbury Corp
Jerguson Gage & Valve Co
Ladish Co
OPW-Jordan
Parks-Cramer Co
Wm Powell Co
RKL Controls, Inc
W G Rovang & Assoc
Schutte & Koerting Co
Star Tank & Filter Corp
Stockham Valves & Fittings

VALVES, LEVER OPERATED

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV

Airmatic Valve
Alloy Steel Products Co
American-Standard Controls Div
Atlas Valve Co
Automatic Switch Co
Black, Sivalls & Bryson
Bristol Co
Cameron Iron Works
A W Cash Co
Cleveland Vibrator Co
Continental Mfg Co
Cooper-Alloy Corp
Crane Co
Darling Valve & Mfg Co
De Zurik Corp
Esco Corp
Everlasting Valve Co
Fairbanks Co
Farris Engrg Co
Fisher Governor Co
Galland-Henning Mfg Co
General Controls Co
Gifford-Wood Co
Grinnell Co
Hammel-Dahl
Hanna Engrg Works
Hills-McCanna Co
Hoke Inc
Jamesbury Corp
Jeffrey Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Klipfel Valve Div
Ladish Co
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
OPW-Jordan
Ohio Injector Co
Oilgear Co
Patterson-Kelley Co
Pfaudler Co Div
Wm Powell Co
RKL Controls, Inc
Republic Flow Meters Co
W S Rockwell Co
W G Rovang & Assoc
Schade Valve Mfg Co
Schutte & Koerting Co
Spence Engrg Co
Stockham Valves & Fittings
Vernon Tool Co
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, LUBRICATED PLUG

Alten Foundry & Mach Works
American-Standard Controls Div
Colonial Plastics Mfg Co
Duriron Co
Galland-Henning Mfg Co
General Controls Co
Mission Mfg Co
Parks-Cramer Co
Wm Powell Co
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
Ronningen-Petter Co
Victaulic Co of America
W-K-M Div
Walworth Co

VALVES, MANIFOLD

Automatic Switch Co
George W Dahl Co
General Controls Co
Hanna Engrg Works
Hannifin Co
Hoke Inc
Jerguson Gage & Valve Co
Mission Mfg Co
Republic Flow Meters Co
Schutte & Koerting Co
A O Smith Corp
W-K-M Div
Wheaton Brass Works
Yarnall-Waring Co

VALVES, MOTOR OPERATED

►HENRY VOGT MACH CO

Allis-Chalmers Mfg Co
Alloy Steel Products Co
Associated Valve Co
Automotive Rubber Co
A W Cash Co
BIF Industries
Cochrane Div
Conoflow Corp
Consolidated Controls Corp
Continental Mfg Co
Copes-Vulcan Div
Cooper Alloy Corp
Crane Co
Darling Valve & Mfg Co
De Zurik Corp
Eclipse Fuel Engrg Co
Edward Valves, Inc
Everlasting Valve Co
Farris Engrg Corp
Fischer & Porter Co
Foxboro Co
Fulton-Sylphon Div
Galigher Co

(Continued)

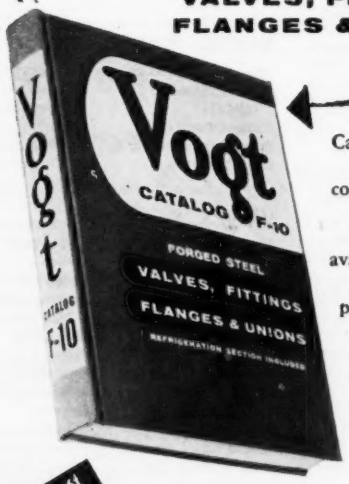
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Presenting a NEW

Vogt Blue Book

ON

VALVES, FITTINGS, FLANGES & UNIONS



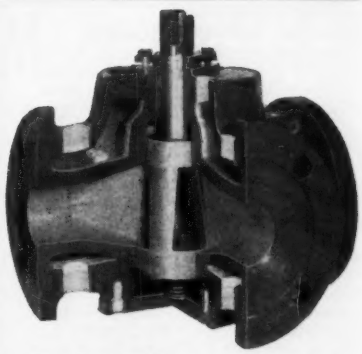
Catalog F-10 is the one source for the most complete line of forged steel valves, fittings, flanges, and unions available to industry. Its 432 thumb indexed pages feature new types and trims to best meet severe fluid and gas handling duties at all temperatures and pressures. A copy of this new catalog is available to you.



Write on your company letterhead to Dept. 24A-FCW.

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Jacketed *Spring Loaded* PLUG VALVES

H & B fully jacketed plug valves feature an inverted tapered plug inserted and lapped into the housing from the bottom of the valve —then spring loaded. The spring wedges the plug to a perfectly tight seal. Easy to operate—easy to clean. No freeze—no "breaking loose" necessary. Available in 2-way, straight, angle or 3-way port with any stop arrangement. Wrench or air cylinder operated. Cast in all alloys including stainless steel with non-galling plug. Sizes 1¼"—6" Bulletin J-57 sent on request.

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Hoke Inc
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Jerguson Gage & Valve Co
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Strong, Carlisle & Hammond
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Hanna Engrg Works
Hannifin Co
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Hoke, Inc
Leslie Co
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RKL Controls, Inc
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►HENRY VOGT MACH CO

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Hoke Inc
Imperial-Eastman Corp
Laboratory Furniture Co
Ladish Co, Tri-Clover Div
Luzerne Rubber Co
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Wm Powell Co
Republic Mfg Co
Rockwell Mfg Co
Ronningen-Petter Co
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W-K-M Div
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Copes-Vulcan Div
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Cleveland Vibrator Co
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Consolidated Vacuum Corp
Continental Mfg Co
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Crane Co
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Darling Valve & Mfg Co
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Duriron Co
Esco Corp
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Farris Engrg Corp
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General Controls Co
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Jerguson Gage & Valve Co
Kaye & MacDonald
Klipfel Valve Div
Leslie Co
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Minneapolis-Honeywell, Industrial Products
OPW-Jordan
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Sarco Co
Schutte & Koerting Co
Spence Engrg Co
Strong, Carlisle & Hammond
Vapor Recovery Systems Co
Walworth Co
York Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

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Cooper Alloy Corp
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Crane Co
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Fischer & Porter Co
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Hannifin Co
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RKL Controls, Inc
Sarco Co
Schutte & Koerting Co
Stockham Valves & Fittings
Vernon Tool Co

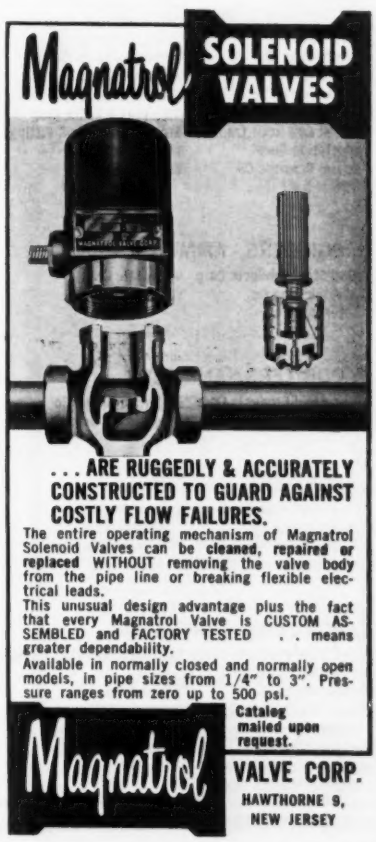
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The entire operating mechanism of Magnatrol Solenoid Valves can be **cleaned, repaired or replaced** WITHOUT removing the valve body from the pipe line or breaking flexible electrical leads.

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Available in normally closed and normally open models, in pipe sizes from 1/4" to 3". Pressure ranges from zero up to 500 psi.

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HAWTHORNE 9, NEW JERSEY

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Vilter Mfg Co
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Patterson-Kelley Co
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►HENRY VOGT MACH CO

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Kennedy Tank & Mfg Co
Knapp Mills Inc
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Nooter Corp
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Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Pressed Steel Tank Co
Pressure Products Industries
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Claude B Schneible Co
A O Smith Corp
Southwestern Engrg Co
Stainless Products
Star Tank & Filter Corp
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Struthers Wells Corp
Terriss-Consolidated Industries
Todd Shipyards Corp
Trinity Steel Co
Union Iron Works
Vulcan Mfg
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Wyatt Metal & Boiler Works Div

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Electro Chem Engrg & Mfg
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Fischer & Porter Co
Foxboro Co
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Hallikainen Instruments
Norcross Corp

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Bristol Co
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General Elec Co, Apparatus Sales Div
La Favorite Rubber Mfg Co
Minneapolis-Honeywell, Industrial Products

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Graver Tank & Mfg Co
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W

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Heil Process Equipment Corp
Johnson-March Corp
Metal Textile Corp
National Conveyor Corp
Packed Column Corp
Parks-Cramer Co
Claude B Schneible Co
Trane Co
United States Stoneware Co
Western Precipitation Div
York Corp

WASHERS, BOTTLE

First Machy Corp
Fisher Scientific Co

WASHERS, DRUM

Hardinge Co
Hodgson Engrg & Mfg Co
Lippmann Engrg Works
Swenson Evaporator Co

WASHERS, FUME

Allied Steel Products Corp
Automotive Rubber Co
Colonial Plastics Mfg Co
Ducon Co
Heil Process Equipment
Metal Textile Corp
Packed Column Corp
Schuyler Mfg Corp
Western Precipitation Div

►See catalog advertisement (Advertisers Index) See company directory for addresses

WASHERS, GAS

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV
Fisher Scientific Co

Aerotec Industries
Allied Steel Products Corp
Automotive Rubber Co
Ducon Co
Gas Machy Co
Hell Process Equipment
Johnson-March Corp
Metal Textile Corp
Packed Column Corp
Schutte & Koerting Co
Western Precipitation Div

WASHERS, HIGH PRESSURE JET

Automotive Rubber Co
John Bean Div
Gray Co
Sumco Engrg, Inc
Western Precipitation Div

WATER ANALYZING EQUIPMENT

Fisher Scientic Co

Barnstead Still & Sterilizer Co
Bristol Co
Culligan, Inc
Elgin Softener Corp
Industrial Instruments
Komline-Sanderson Engrg Corp
LaMotte Chem Products Co
Leeds & Northrup Co
Milton Roy Co
Permutit Co
W A Taylor & Co
Wallace & Tiernan Inc

WATER COOLING EQUIPMENT

Croll-Reynolds Co
Spraying Systems Co

Acme Industries
Carrier Corp
Condenser Service & Engrg Co
Crown Cork & Seal Co
Dean Products, Inc
Foster Wheeler Corp
Graham Mfg Co, Heliflow Corp
Griscom-Russell Co
Kaye & MacDonald
Marley Co
Milton Roy Co
Patterson-Kelley Co
Old Dominion Iron & Steel Corp
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Trane Co
Tranter Mfg, Inc
Vilter Mfg Co
Wurster & Sanger
York Corp

WATER PRESSURE SYSTEMS

American LaFrance Div
Aurora Pump Div
Crowell Designs
Fairbanks, Morse & Co
Leslie Co
Pacific Pumping Co

WATER PURIFICATION APPARATUS & EQUIPMENT

Barnebey-Cheney Co
Fisher Scientific Co
L-A Water Conditioning Inc

Allis-Chalmers Mfg Co
American Sterilizer Co
American Water Softener Co
BIF Industries
Badger Mfg Co
Barnstead Still & Sterilizer Co
Bio-Rad Labs
Boardman Co
Chem-Pure Service Co
Cochrane Div
Croll-Reynolds Engrg Co
Culligan Inc
Dorr-Oliver Inc
Elmco Corp
Elgin Softener Corp
Fairbanks, Morse & Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hardinge Co
Industrial Filter & Pump Mfg Co
Illinois Water Treatment
Infilco Inc
Jeffrey Mfg Co
Komline-Sanderson Engrg Corp
Kutlir Labs
Link-Belt Co
Milton Roy Co
Odgen Filter Co
Permutit Co
Podbielniak, Inc
Ronningen-Petter Co
Selas Corp of America
Sharples Corp
F J Stokes Corp
Submerged Combustion
Syntron Co
Walker Process Equipment
Wallace & Tiernan Inc

WEIGHING MACHINES

►HOWE SCALE CO
►METAL & THERMIT CORP

BIF Industries
Barnstead Still & Sterilizer Co
Consolidated Packaging Machy Corp
FMC Packaging Machy Div
Fairbanks, Morse & Co
B F Gump Co
Merrick Scale Mfg Co
Richardson Scale Co
Stephens-Adamson Mfg Co
Syntron Co
Thayer Scale Corp
Torsion Balance Co
Wallace & Tiernan Inc
Weighing & Controls Inc

WELDING APPARATUS

►METAL & THERMIT CORP
Standard Scientific Supply Corp

Arcos Corp
Baughman Mfg Co
Crucible Steel Co of America
Falstrom Co
Lincoln Elec Co
Linde Co
National Cylinder Gas Div
Raytheon Co
Wall Colmonoy Corp

WELLS, THERMOCOUPLE

Bristol Co
Calorizing Co
Corning Glass Works
Falls Industries
Foxboro Co
Haynes Stellite Co
Manning, Maxwell & Moore, Inc
Moeller Instrument Co
National Carbon Co
Nooter Corp
Pyrometer Co of America
Raytheon Co
E C Smith Mfg Co
Trinity Equipment Corp
West Instrument Corp

WINCHES, CABLE

Electro-Lift, Inc
Link-Belt Co
Robbins & Myers, Hoist & Crane Div
Stephens-Adamson Mfg Co
Vapor Recovery Systems Co
Yale & Towne Mfg Co

WIRE, CORROSION-RESISTING

Allegheny Ludlum Steel Corp
Anaconda American Brass Co
Bethlehem Steel Co
J Bishop & Co Platinum Works
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Crucible Steel Co of America
Carpenter Steel Co
Driver-Harris Co
Haveg Industries
Haynes Stellite Co
International Nickel Co
Knapp Mills Inc
Metal Textile Corp
Michigan Wire Cloth Co
Page Steel & Wire Div
Republic Steel Corp
J A Samuel & Co

WIRE, MESH

J Bishop & Co Platinum Works
Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Metal Textile Corp
Michigan Wire Cloth Co
Newark Wire Cloth Co
J A Samuel & Co
Schuyler Mfg Corp
Southwestern Engrg Co
W S Tyler Co
Unique Wire Weaving Co

WIRE, RESISTANCE

J. Bishop & Co Platinum Works
Driver-Harris Co
Engelhard Industries
Haynes Stellite Co
Heatron, Inc
Hoskins Mfg Co
Leeds & Northrup Co
J A Samuel & Co

WIRE, THERMOCOUPLE

J Bishop & Co Platinum Works
Bristol Co
Driver-Harris Co
Engelhard Industries
Foxboro Co
Hoskins Mfg Co
Leeds & Northrup Co
Minneapolis-Honeywell, Industrial Products
Neptune Meter Co
Pyrometer Co of America
J A Samuel & Co
E C Smith Mfg Co
Thermo Elec Co
West Instrument Corp

WIRE, WELDING

►METAL & THERMIT CORP

Aluminum Co of America
American Brazing Alloys Corp
Ampco Metal
Anaconda American Brass Co
Arcos Corp
Colorado Fuel & Iron Corp
Crucible Steel Co of America
Dalweld Co
Haynes Stellite Co
International Nickel Co
Linde Co
National Cylinder Gas Div
Okonite Co
Page Steel & Wire Div
A O Smith Corp
Titan Metal Mfg Co

WIRE COVERING, CHEMICAL RESISTANT

►METAL & THERMIT CORP

Automotive Rubber Co
Haveg Industries
Okonite Co

WIRE COVERING, HEAT RESISTANT

Okonite Co
Thermo Elec Co

WOOL, ROCK

Philip Carey Mfg Co
►JOHNS-MANVILLE
Eagle-Picher Co

X

X-RAY APPARATUS

General Elec Co, Apparatus Sales Div
General Elec Co, X-Ray Dept
Applied Research Labs
Philips Electronic Instruments
Sperry Products Co

FIRST CLASS EQUIPMENT from Your FIRST Source!

- AUTOCLAVES
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209-289 TENTH STREET, BROOKLYN 15, N. Y.
PARKING ON THE PREMISES
PHONE: STerling 8-4672 FMC

EQUIPMENT TRADENAMES

Tradenames consisting of numbers alone will be found at the beginning of the alphabetical section under which the tradename might ordinarily be found if it were spelled out.
Example: "7"—Located at the beginning of the section under "S".

A

A-1: Large capacity jaw crusher—Allis-Chalmers Mfg Co

AC: Multi-shielded motors—Sterling Elec Motors

ACAF: Pumps—Allis-Chalmers Mfg Co

ACL: Pyro-processing system—Allis-Chalmers Mfg Co

ACP: Transformers—Allis-Chalmers Mfg Co

AG: Chains, roller—Link-Belt Co

AGF: Furnaces, kilns, burners—American Gas Furnace Co

AGI-MIXER: Paddle & high shear mixer—Gifford-Wood Co

API: Chains, SS type—Link-Belt Co

ASCO: Products—Automatic Switch Co

ASCO: Products—Arthur F Smith, Inc

ATC: Industrial control instruments—Automatic Timing & Controls, Inc

ATI: Transmitters—Infilco Inc

A-Z: Cable glove boxes—Babcock & Wilcox Co, Tubular Products Div

ABRASOWELD: Arc welding—Lincoln Elec Co

ABSOLUTE: Air filter—Cambridge Filter Corp

ACCELAPAK: Treating plants—Infilco Inc

ACCELATOR: Treating plants—Infilco Inc

ACCELATOR HOT-FLOW: Softeners—Infilco Inc

ACCELO: Filters—Infilco Inc

ACCELO-BIOX: Liquid treating plants—Infilco Inc

ACCELO HI-CAP: Filter underdrain tile—Infilco Inc

ACCUMATIC; ACCUMITE: Lubrication systems—Stewart-Warner Corp, Alemite Div

ACE: Pipe, hard rubber, rubber lined—American Hard Rubber Co

ACE: Pellet mills—Sprout, Waldron & Co

ACE-FLEX: Tank linings—American Hard Rubber Co

ACE-HIDE: Rubber-plastic pails—American Hard Rubber Co

ACE-ITE: Pipe, plastic—American Hard Rubber Co

ACE RIVICLOR: Vinyl pipe & fittings—American Hard Rubber Co

ACE-TEMPRON: Hard rubber pipe & fittings—American Hard Rubber Co

ACITRAN: Portable power driven acid pump—General Scientific Equipment Co

ADD WEAR: Arc welding electrodes—National Cylinder Gas Div

ADJUST-A-LIP: Dockboards— Kelley Co

ADJUST-ALL: Industrial thermometer—Weksler Instruments Corp

ADJUSTEX: Products—Allis-Chalmers Mfg Co

ADJUST-ANGLE: Industrial thermometer—Weksler Instruments Corp

ADJUSTO SLIDE: Motor bases—American Pulley Co

ADSORBIT: Carbon, activated—**Barnebey-Cheney Co**

ADSTAY: Filter materials—Hilliard Corp

ADVANCE: Products—Driver-Harris Co

AERISWELD: Arc welding electrode—Lincoln Elec Co

AERO-ACCELATOR: Liquid treating plants—Infilco Inc

AERODYNE: Fans—Jeffrey Mfg Co

AEROMASTER: Cooling fans—Koppers Co, Metal Products Div

AEROPOISE: Products—Link-Belt Co

AEROSOLVE: Products—Cambridge Filter Corp

AERO-STANDARD: Rubber cushioned glass carboys—United Box & Lumber Co

AERO-TRANSMISSION: Transmission belt—Republic Rubber Div

AEROTURN: Dust filters—Koppers Co, Metal Products Div

AERO-VIBE: Vibrating screens—Allis-Chalmers Mfg Co

AIR TUMBLER: Dust collector, wet type—Dust Suppression & Engrg Co

AIRETROL: Automatic tube expander controls—Airetool Mfg Co

AIR-FLOAT: Air gravity conveyor—Kennedy Van Saun Mfg & Engrg Co

AIRFLOW: Goggles—United States Safety Service Co

AIR-GRIP: Clutches, air—Dodge Mfg Corp

AIRLINE: Airline accessories—Lincoln Engrg Co

►**AIRLITE:** Fibre drum—**GREIF BROS COOPERAGE CORP**

►**AIRMERG:** Blending systems—**FULLER CO**

AIR-METER: Anemometer—Hastings-Raydist

AIROMETRIC: Controlled volume pumps; Pressure generators—Milton Roy Co

AIR-PAK: Protective breathing apparatus, self contained—Scott Aviation Corp

AIR-PULSATED: Products—Link-Belt Co

AIRSET: Roller mills—Allis-Chalmers Mfg Co

AIRSLIDE: Covered hopper car—General American Transportation Corp

►**AIRSLIDE:** Fluidizing conveyors—**FULLER CO**

AIRSTREAM CONVEYOR: Pneumatic conveyors—Dracco Div

►**AIRVEYOR:** Pneumatic conveyor—**FULLER CO**

AJAX: Products—Hewitt-Robins Inc

AKRO-METAL: Corrugated gasket, high pressure—Akron Metallic Gasket Co

AKRON: Water treatment—Allis-Chalmers Mfg Co

AKRONITE: Sheet packing—Akron Metallic Gasket Co

ALCOA: Products—Aluminum Co of America

ALCOTWIN: Fintube heat exchangers—Alco Products

ALECTRA: Portable test instruments—Consolidated Electrodynamics Corp

ALEMITE: Lubrication fittings, systems, equipment—Stewart-Warner Corp

ALFERON: Products—Driver-Harris Co

ALKACID: pH test paper—**Fisher Scientific Co**

ALL-C: Portable fume hood—Laboratory Furniture Co

ALL CHEM: Self-priming rotary pump—Eco Engrg Co

ALLFLEX: Flexible metal hose & tubing—Allied Metal Hose Co

ALLISITE: Abrasion resistant iron alloy—Allis-Chalmers Mfg Co

ALL-MOTOR: Reducers, motorized—Falk Corp

ALLMUL: Products—Babcock & Wilcox Co, Refractories Div

ALLNYL: Nylon sling webbing—Russell Mfg Co

ALL PURPOSE: Gas masks—Acme Protection Equipment Co

ALL SERVICE; ALL VISION: Gas masks—Mine Safety Appliances

ALL USE: Dry chemical fire extinguishing powder—American LaFrance Div

ALL-WEATHER: Electric motors—Robbins & Myers, Inc

ALOYCO: Stainless steel valves—Alloy Steel Products Co

ALPHA: Brass pipe, tube—Chase Brass & Copper Co

ALPHATRON: Gauges, vacuum—N R C Equipment Corp

ALTERACT: Solenoid actuated alternate action switch—Micro Switch Div

ALTIVAR: Varying speed motor—Rotron Mfg Co

ALTO: Switch—I-T-E Circuit Breakers Co

ALUMA-CLAD: Switchgear—Allis-Chalmers Mfg Co

ALUMAR: Welding-wire—Arcos Corp

ALUMEL: Thermocouple wire—Hoskins Mfg Co

ALUMEND: Arc welding electrodes—Arcos Corp

ALUMIN-NU: Cleaners & polish, metal—Nu Steel Co

ALUMINWELD: Arc welding electrodes—Lincoln Elec Co

ALUNDUM: Abrasives, grinding wheels, refractories—Norton Co

AMBRALOY: Copper & aluminum alloys—Anaconda American Brass Co

AMBRAZE: Brazing alloys—American Brazing Alloys Corp

AMBRONZE: Copper alloys—Anaconda American Brass Co

AMERCOAT: Protective coatings—Amercoat Corp

AMERICAN: Water meters—Buffalo Meter Co, Inc

AMERICAN: Disc filter—Dorr-Oliver Inc

AMERICAN: Industrial instruments—Manning, Maxwell & Moore, Inc

AMERICAN HAMMERED: Piston rings—Koppers Co, Metal Products Div

AMER-PLATE: Vinyl sheet lining—Amercoat Corp

AMESTEAM GENERATOR: Firetube boilers—Ames Iron Works

AMINCO: Products—American Instrument Co

AMINCO-AIRE: Environmental testing chamber—American Instrument Co

AMPCO-BRAZ: Gas filler rods—Ampco Metal

AMPCOLOY: Commercial bronzes—Ampco Metal

AMPCO-TRODE: Aluminum bronze weldrod—Ampco Metal

AMPCO-WELD: Resistance welding products—Ampco Metal

AMPLET: Magnetic limit switch—Consolidated Controls Corp
AMPLITROL: Electronic elec furnace controllers—Thermolyne Corp
AMPLITROL: Vibrating feeder—Carrier Div
AMPLI-SPEED: Magnetic drive—Electric Machy Mfg Co
AMPLITORK: Closing mechanism for circuit breakers—Allis-Chalmers Mfg Co
AMSCO: Products—American Sterilizer Co
ANCHOR: Machines, capping—Anchor Hocking Glass Corp
ANCHORGLASS: Bottles & containers, glass—Anchor Hocking Glass Corp
ANDERS DRILINE: Air & gas dryers—Desomatic Products Div, Atlantic Research Corp
ANEX: Exchangers—Infilco Inc
ANEXER: Ion exchange plants—Infilco Inc
ANOTEC: Aluminum grating—Klemp Metal Grating Corp
ANTI-FRICTION: Idlers, belt conveyor—Link-Belt Co
APCO: Pumps—Aurora Pump Div
APTAN: Sprinkler systems—Automatic Sprinkler Corp of America
AQUABLAST: Cleaner—John Bean Div
AQUACOOLER: Cooling tower—Marley Co
►**AQUADAM:** Built-up roofing—**JOHNS-MANVILLE**
AQUATOWER: Cooling tower—Marley Co
AQUAVACTOR: Steam jet ejectors—**Croll-Reynolds Co**
ARCOSARC: Products—Arcos Corp
ARCONARC: Arc welding products—National Cylinder Gas Div
ARLCITE: High density ceramic linings—Patterson Foundry & Mach Co
ARMACOTE: Protective coating—Armstrong Cork Co, Packaging Materials Div
ARMAFLEX: Pipe & tank insulation—Armstrong Cork Co, Insulation Div
AR-MET: Flow control equipment meter—Brooks Instrument Co
ARMORED MULTITUBE: Flexible armored tubes—Crescent Insulated Wire & Cable Co
ARMOGARD: Shipping containers — Olin Mathieson Chem Corp
ARMORTUBE: Tubing, pneumatic—Bailey Meter Co
ARROW: Cleaners' truck—Paul O Young Co
ARTMOLD: Caps & jar covers—Armstrong Cork Co, Packaging Materials Div
►**ASBESTOS EBONY:** Panels, control, electrical—**JOHNS-MANVILLE**
ASHCOLITE: Abrasion resistant pipe—Allen-Sherman-Hoff Co
ASHCROFT: Pressure gauges & instruments—Manning, Maxwell & Moore, Inc
ASHTON: Products—Crosby Valve & Gage Co
ASHVAC: Steamjet ash handling system—Allen-Sherman-Hoff Co
ASHVEYOR: Products—Brady Conveyors Corp
ASSAY: Jar mills—**Paul O Abbe**
ATCOTRAN: Transducers—Automatic Timing & Controls, Inc
ATCOTRONIC: Electronic timers—Automatic Timing & Controls, Inc
ATLAS BALLS: Products—S K F Industries
ATLAS VALVE: Steam jacketed valve—Alco Products
ATOMIX: Mechanical dust collectors—Graver Water Conditioning Co
ATOMUFFLER: Air silencer & filter—Allied Witan Co
AUDIGAGE: Ultrasonic thickness guages—Branson Instruments, Inc
AUGERS: Farm machinery—Link-Belt Co
AUGER-VAC: Vacuum filler—F M C Packaging Machy Div
AUPETTE: Automatic pipetting device—Clay-Adams
AUTEMP: Hot plates—**Fisher Scientific Co**
AUTO-BIN DICATOR: Indicator—Bin-Dicator Co
AUTO BLEED CONTROLLER: Cooling water concentration control—**L-A Water Conditioning Co**
AUTO-BRIK: Products—Posey Iron Works
AUTOCHEM PRE-TREATER: Cooling water pretreatment—**L-A Water Conditioning Co**
AUTO-GRIP: Hanger, glass & plastic pipe—Automatic Sprinkler Corp of America
AUTO-KLEAN: Filters—Cuno Engrg Corp
AUTOLITE: Products—Electric Autolite Co
AUTOMATIC SERVOMONITOR: Products—Baird-Atomic, Inc
AUTOMATIC SUPROTEX: Pre-action sprinkler systems—Automatic Sprinkler Corp of America
AUTOMUFFLER: Air exhaust muffler—Allied Witan Co
AUTOREF: Baths, constant temperature—Thermo Elec Co
AUTO-STOP: Petroleum meters—Neptune Meter Co
AUTO-SWITCH: Meter—Neptune Meter Co
AUTO WEIGHTON: Products—Thayer Scale Corp
AVECO: Products—Associated Valve Co
AVIALITE: Aluminum bronzes—Anaconda American Brass Co
AXIMAX: Tubeaxial fan—Rotron Mfg Co
AXIVANE: Blowers & fans—Joy Mfg Co
AZTEX: Extruded fireclay brick—Kaiser Refractories & Chems Div

B

B: Chains, balance—**Link-Belt Co**
BA: Products—**Baird-Atomic, Inc**
BA: Scalper vibrating screens—**Link-Belt Co**
B-E-H: Products—Baldwin-Ehret-Hill, Inc
BS: Foundry products—**Link-Belt Co**
B & W HYDROCHOME: Refactory material—Babcock & Wilcox Co, Refractories Div
BTR: Elastomeric mountings—Lord Mfg Co
BACILLI: Jar mills—**Paul O Abbe**
BAKELITE: Vinyl plastics silos—**Union Carbide Plastics Co**
BALANSEAL: Stainless steel bellows—Farris Engrg Corp
BALL PEB: Grinding mills—Allis-Chalmers Mfg Co
BANTAM: Welding & cutting torches—National Cylinder Gas Div
BANTAM: Products—Barnstead Still & Sterilizer Co
BANTAM: Bulk & liquid level indicator—Bin-Dicator Co
BANTAM: Control valves—George W Dahl Co
BANTAMWEIGHT: Platform trucks—Fairbanks Co
BARBEAU: Electricless drive—S Howes Co
BAR-NUN: Products—B F Gump Co
BAROID: Products—Baroid Div, National Lead Co
BASA: Hammers—Greene, Tweed & Co
BASCULE: Water control gates—Allis-Chalmers Mfg Co
BASSICK: Casters—Stewart-Warner Corp
►**BATCHMASTER:** Automatic batching controls—**HOWE SCALE CO**
BATCH-MASTER: Bottom unloading centrifugal—Tolhurst Centrifugals Div
BATCH-MISER: Plate filter—Niagara Filters Div
BATCH-O-MATIC: Bottom unloading centrifugal—Tolhurst Centrifugals Div
►**BATCHPLUG:** Preset batching formulas — **HOWE SCALE CO**
BAUXILUM: Lead surfaced aluminum—Knapp Mills Inc
BECKERLOY: Weights, precision; Weights, stainless steel—Torsion Balance Co
BELLOFRAM: Valve actuator—General Controls Co
BELTEVATOR: Inclined floor-to-floor belt conveyor—E W Buschman Co
BELTEX: Burlap tubing—Belmont Burlap Bag Co
BELT SAVER: Pulleys—Sprout, Waldron & Co
BEMAC: Brushless A-C generators—Electric Machy Mfg Co
BENDIX: Capacitators; Electrical connectors—Scintilla Div
BENDIX PYGMY: Electrical connectors—Scintilla Div
BENFLEX: Electrical connectors—Scintilla Div
BENTUBE: Evaporators—Griscom-Russell Co
BERKEFELD: Sterile filter candles—Filtros Inc
BETH-TEC: Heat transfer system—Bethlehem Foundry & Mach Co
BETTER PACK: Taping equipment—Better Packages
BIFURCATOR: Fume removal fans—Debothezat Fans Div
BIG INCH: Tape dispensers—Better Packages
BIG SAVAGE: Extruded fireclay brick—Kaiser Refractories & Chems Div
BIG FOUR: Fireclay brick—Kaiser Refractories & Chems Div
BIN-DICATOR: Indicators, bin level—Bin-Dicator Co
BIN-DICATOR HYPERBOLIC: Non-plugging hopper outlet—Bin-Dicator Co
BIN-EYE: Indicators—Jeffrey Mfg Co
BIN-FLO: Aerators—Bin-Dicator Co
BIOGEN: Products—American Sterilizer Co
BIO-PAC: Sewage treatment equipment—Link-Belt Co
BIOSORPTION: Activated sludge plants—Infilco Inc
BIRD-HUMBOLDT: Dryers, centrifugal—Bird Mach Co
BIRD-PRAYON: Pan type vacuum filters—Bird Mach Co
BIRD-YOUNG: Drum vacuum filters—Bird Mach Co
BI-ROLL: Fire hose—Hewitt-Robins Inc
BLACK MAGIC: Activated carbon, filter—**Barnebey-Cheney Co**
BLAST: Solvents—Narda Ultrasonics Corp
BLASTCORDER: Portable blast vibration recorder—Geotechnical Corp
BLAZEPRUF: High-heat coating—Wilbur & Williams Co Inc
BLU-BLAZE: LP-Gas tanks—Delta Tank Mfg Co
BLUE DOT: Tubing tools—Imperial-Eastman Corp
BLUE DYNE: Nonacid electrolyte—**Neirad Industries, Inc**
BLUE RIBBON: Farm equipment—Butler Mfg Co
BLUE RIBBON: Flanges—O-T-M Corp
BOILEEZERS: Products—**Fisher Scientific Co**
BONATE: Plastics, reinforced—Carl N Beetle Plastics Corp
BONDLITE: Penetrating wall coating—Wilbur & Williams Co
BONDSTRAND: Fiberglass pipe—Amercoat Corp
►**BONDWARE:** Paper containers—**CONTINENTAL CAN CO**
BOSUN: Lubricator—William Powell Co
BRAZE-SEAL: Tube fittings—Imperial-Eastman Corp
BREW-BRITE: Paper, filter—Eaton-Dikeman Co
BRINK: Mist eliminator—Continental Mfg Co
BROOKS-MITE: Purge meters—Brooks Instrument Co
BROWN: Thermometers; Pressure gauges; Millivoltmeter pyrometers—Minneapolis-Honeywell, Industrial Products
BRUNTON: Weights, analytical—Wm Ainsworth & Sons
BUCKET-WHEEL: Excavator—Link-Belt Co
BUDA: Equipment products—Allis-Chalmers Mfg Co
BUFFALO BRAND: Fire hose—Hewitt-Robins Inc
BULK-FLO: Elevators; Conveyors; Feeders—Link-Belt Co
BULK-O-MATIC: Storage tanks with unloading apparatus—Butler Mfg Co
BULLNECK: Grease fittings—Lincoln Engrg Co
BUNDLTUBE: Armored instrument tube—Crescent Insulated Wire & Cable Co
BURLTEX: Burlap adhesive—Belmont Burlap Bag Co
BURN-QUEL: Aerosol burn spray—A E Halperin Co
BUSH-LOCK: Overhead trolley cable conveyor—E W Buschman Co
BUTLERIB: Products—Butler Mfg Co

C

C: Chains—**Link-Belt Co**
CA: Screens, vibrating & peeling tables—**Link-Belt Co**
C-A-P SYSTEM: Instruments—Infilco Inc
CB: Packaged boilers—Cleaver-Brooks Co
CB: Vibrating screens—Link-Belt Co
C-B: Condensate return systems—Cochrane Corp
CBO: Boiler blow-off systems—Cochrane Corp
CC PUMP: Pumps—Clark-Cooper Co
CD: Cellar drainer sump pump—Yeomans Bros Co
C-E RAYMOND: Products—Combustion Engrg, Inc
C-H: Products—Cutler-Hammer Inc
CL: Products—Link-Belt Co
CM CONTRACTOR: Mixing columns—Mixing Equipment Co
CS: Central station air-handling units—Young Radiator Co
CABLE-TITE: Cable connector—National Cylinder Gas Div
CABLE-VEYOR: Bucket elevator—Hapman Corp
CAGE-PAKTOR: Impact mills—T J Gundlach Mach Co
CALIBAND: Regulator control—Allis-Chalmers Mfg Co
CALIDO: Products—Driver-Harris Co
CALITE: Alloy castings—Calorizing Co
CALOBAR: Filter lens—American Optical Co
CALSUN BRONZE: Copper alloy—Anaconda American Brass Co
CAM-LOX: Closing rings for steel drums—Eastern Steel Barrel Corp
CAPEM: Automatic capping machinery—Consolidated Packaging Machy Corp
CARBAC: Asbestos-carbon disks—Cellulo Co

CARBANALYZER: Products—Fisher Scientific Co
CARBOHM: Furnace atmosphere carbon detector—Leeds & Northrup Co
CARBO-HYDROGEN: Welding fuel gas—National Cylinder Gas Div
CARD FLAT: Chains—Link-Belt Co
CARLOADER: Gas & elec fork-lift trucks—Clark Equipment Co, Industrial Truck Div
►**CARPENTER AIRLITE:** Fiber drum—**GRIEF BROS COOPERAGE CORP**
►**CARPENTER LO-RIM:** Fiber drum—**GRIEF BROS COOPERAGE CORP**
CARRYALL: Welding equipment rack—National Cylinder Gas Div
CARQUAKE: Ore shaking products—Stephens-Adamson Mfg Co
CARRIER: Natural-frequency conveyors—Chain Belt Co
CAR SHAKERS: Unloaders, railroad cars—Link-Belt Co
CAR SPOTTERS: Movers, railroad cars—Link-Belt Co
CAR-TYPE: Conveyors—Link-Belt Co
CASTALOY: Lab hardware—**Fisher Scientific Co**
CAS-TO-FIT: Castable refractory—Robinson Clay Product Co
CATEX: Exchanger—Infilco Inc
CATEXER: Ion exchange plants—Infilco Inc
CAVITATOR: Products—Yeomans Bros Co
CEC: Electronic Instruments—Consolidated Electrodynamics Corp
CELLU-FLO: Asbestos filter medium—Cellulo Co
CEM-REM: Coatings, protective—Speco, Inc
CENTER-SLUNG: Gravity center mounting—Tolhurst Centrifugals Div
CENTRAVAC: Watercoolers—Trane Co
CENTRI CHEM: Pumps, centrifugal—Eco Engrg Co
CENTRILATOR: Power roof ventilator—Clarage Fan Co
CENTRIMAX: Flow meter—Leeds & Northrup Co
►**CENTRIPAC:** Packings, asbestos—**JOHNS-MANVILLE**
CENTR-O-LUBER: Lubricating systems, central—Lincoln Engrg Co
CENTR-O-MATIC: Lubricating systems, central—Lincoln Engrg Co
CENTR-O-OILER: Lubricating systems, central—Lincoln Engrg Co
►**CERAFELT:** Refractory fiber insulation—**JOHNS-MANVILLE**
CERAMICAST: Products—Lebanon Steel Foundry
CERAMICITE: High temperature coatings—Consolidated Electrodynamics Corp
CERAMO: Wire, thermocouple—Thermo Elec Co
CERTIFIED: Fermenters—Stainless & Steel Products Co
CERTIFIED CLIMATE: Air conditioning equipment—Parks-Cramer Co
CHABELCO: Steel chains—Chain Belt Co
CHAINOMATIC: Precision balances, chain weight—Torsion Balance Co
CHAMET: Products—Chase Brass & Copper Co
CHAMPION: V-blets—Republic Rubber Div
CHARIOT: Water hose—Republic Rubber Div
CHECKTROL: Primary oil burner controls tester—General Controls Co
CHEM: Jet dust control systems—Johnson-March Corp
CHEMALYZERS: Automatic colorimetric analyzers—Milton Roy Co
CHEMI-FILTER: Water demineralizer—Kutilr Labs
CHEMIZON: Production extractor, chems—Podbielniak, Inc
CHEM-JET: Dust control systems—Johnson-March Corp
CHEMOX: Products—Mine Safety Appliances
►**CHEMPAC:** Packings, asbestos—**JOHNS-MANVILLE**
CHEMPUMP: Sealless canned pumps—Fostoria Corp
CHEM-REM: Coatings, protective—Speco, Inc
CHEM-WEAR: Acid-proof clothing—M Setlow & Son, Inc
CHEMSTICK: Prepared water treatment chemicals—**L-A Water Conditioning Co**
CHIKSAN: Joints—Chiksan Co
CHILLVACTOR: Refrigeration, jet, steam—**Croll-Reynolds Co**
CHIPVEYOR: Conveyor systems—National Conveyors Co
CHLOREXTOL: Insulating liquid—Allis-Chalmers Mfg Co
CHLORIFLEX: Chlorine loading hose—Allied Metal Hose Co
CHLORIMET 2; 3: Products—Duriron Co
CHLORINET: Hypochlorinator—Wallace & Tiernan Inc
CHORE BOY: Shop trucks & tractors—Allis-Chalmers Mfg Co
CHRISTIAN BECKER: Precision balances—Torsion Balance Co
CHROMALOX: Products—Edwin L Wiegand Co
CHROMASOID: Phenolic base resin for interior lining of Schaub Condensate Receiver—Schaub Engrg Co
CHROMAX: Products—Driver-Harris Co
CHROMEL: Assistant & thermocouple wire—Hoskins Mfg Co
CHROMENAR: Welding wire—Arcos Corp
CROMEND: Arc welding electrodes—Arcos Corp
CHROMOMAX: Chromatographic apparatus—Leeds & Northrup Co
CIMET: Products—Driver-Harris Co
CINCINNATUS: Double arm mixers—**J H Day Co**
CIRCLE: Sifters—Allis-Chalmers Mfg Co
CIRCLE-CHILL: Roller mill rolls—Allis-Chalmers Mfg Co
CIRCOMATIC: Products—Arcos Corp
CIRC-O-THERM: Lab ovens—Hevi-Duty Elec Co
CIRCULAR CARRIER: Conveyors—Link-Belt Co
CIRCULINE: Collectors, sludge—Link-Belt Co
CIRLYPTIC: Sifter—Entoleter, Inc
CLARCO: Unit heater—Clarage Fan Co
CLARIFIERS: Sludge removers—Link-Belt Co
CLARIFOTOR: Waste treatment flotation unit—Graver Water Conditioning Co
CLARITE: Pre-coat filters—Croll-Reynolds Engrg Co
CLARKAT: Towing tractor—Clark Equipment Co, Industrial Truck Div
CLARKETTE: Towing tractor—Clark Equipment Co, Industrial Truck Div
CLARKLIFT: Gas & elec fork-lift trucks—Clark Equipment Co, Industrial Truck Div
CLARK-ROSS: Straddle carrier—Clark Equipment Co, Industrial Truck Div
CLARKTOR: Towing tractor—Clark Equipment Co, Industrial Truck Div
CLASSIFIERS: Centrifuges—Sharples Corp
CLAYTON KERRICK: Machines, cleaning, steam—Clayton Mfg Co
CLEAN-AIR: Products—Nash Engrg Co
CLEAR VISION: Indicators, sight flow—Wurster & Sanger
CLEJAN: Freight cars—General American Transportation Corp
CLEMENT: Hard metal—Cleco Air Tools Div
CLIMATE CHANGER: Products—Trane Co
CLIMATE-LAB: Environmental testing chamber—American Instrument Co
CLIMAX: Products—Driver-Harris Co
►**CLIPPER:** Precision-molded seal—**JOHNS-MANVILLE**
CLIPPER: Coil winding counter—General Controls Co
CLIPPER: Gas fork-lift truck—Clark Equipment Co, Industrial Truck Div
COAL-PAK AUTOMATIC: Water tube boilers—International Boiler Works Co
CODETAPER: Sealing machines—Better Packages
COHRLASTIC: Silicone rubber products—Connecticut Hard Rubber Co
COILMOUNT: Conveyors, oscillating—Link-Belt Co
COLAFLEX: Diffusers—Infilco Inc
COLMONOY: Alloys, hard facing—Wall Colmonoy Corp
►**COLORBESTOS:** Roofing & siding—**JOHNS-MANVILLE**
COLPLATE: Plate-type heat exchanger—Dean Products
COLOR-PORT: Liquid-level gauges—Yarnall-Waring Co
COMBAX: Combustion boats—**Fisher Scientific Co**
COMBS: Sifters & screeners—Great Western Mfg Co
COM-BIN: Feeders—Pulva Corp
COMET: Products—Driver-Harris Co
COMFO: Products—Mine Safety Appliances
COMFORT-SHIELD: Welding apparatus—Lincoln Elec Co
COMMANDER: Platform trucks—Fairbanks Co
COMPACTROL: Miniature electronic controllers—Victory Engrg Corp
COMPACUNIT: Products—Warren Pumps
COMPAK: Water tube boilers—International Boiler Works Co
COMPEB: Grinding mills—Allis-Chalmers Mfg Co
COMPOUND MR: Products—Johnson-March Corp
CONAFORM: Dryers, vacuum—Patterson Foundry & Mach Co
CONCAVEX: Grinding media—Allis-Chalmers Mfg Co
CONDOR: V-belts, tubing—Raybestos-Manhattan
CONDUCTALL: Airhose—Republic Rubber Div
CONJECTORS: Centrifuges—Sharples Corp
CONNECTITE: Impregnated felt seals—American Felt Co
CONSERVO: Products—Hewitt-Robins Inc
CONSOLIDATED: Safety & safety relief valves—Manning, Maxwell & Moore, Inc
CONSTAMETRIC: Controlled volume pump—Milton Roy Co
CON-TAC-TOR: Mercury switches—Micro Switch Div
CONTOUR TRENTWELD: Products—Trent Tube Co
CONTROMIL: Impact mill—Entoleter, Inc
CONVACTOR: Condensing & recovery tower—**Croll-Reynolds Co**
CONVECTAIR: Products—Selas Corp of America
CONVECTIONEERED: Ovens—W W Sly Mfg Co
CONVERTO-GEAR: Gear operator for gate valves—Crane Co
COOLTONG: Welding apparatus—Lincoln Elec Co
COPEL: Resistor wire—Hoskins Mfg Co
COP-O-TOP: Products—Chase Brass & Copper Co
CORD-GARD: Protective coatings—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
CORDON: Circuit breakers—I-T-E Circuit Breaker Co
CORDUROY: Filter cloth—W S Tyler Co
CORLON: Vinyl floor tiles—Armstrong Cork Co, Floor Div
CORVEL: Coating powders—Polymer Corp
CORVIC: Bronze rods—Chase Brass & Copper Co
COUNTERBOY: Sealing Machines—Better Packages
CRESCENT: Chains, conveyor—Link-Belt Co
CRESCENT ARMORED MULTITUBE: Armored tubing—Crescent Insulated Wire & Cable Co
CRITIFLO METER: Products—King Engrg Corp
CROLOY: Tubing, pipe, fittings—Babcock & Wilcox Co, Tubular Products Div
CROSS-BORE: Heat exchanger—Falls Industries, Inc
CROWN: Bonding mortar—Robinson Clay Product Co
CRUXITE: Hardened safety lens—American Optical Co
CRYOFLEX: Liquid oxygen hose—**Allied Metal Hose Co**
CRYSTOLON: Abrasives, grinding wheels, refractories—Norton Co
CUBITAINER: Non-corrosive liquid container—General Box Co
CUBITAINER: Plastic container—**Hedwin Corp**
CUL-CLEAR: Water purification & treatment system—Culligan, Inc
CULLAR: Activated carbon filters—Culligan, Inc
CULLEX: Ion exchange water softeners—Culligan, Inc
CULLITE: Ion exchange water softeners—Culligan, Inc
CULLSAN: Water filters—Culligan, Inc
CULLSORB: Water filters—Culligan, Inc
CULLNEAU: pH control filters—Culligan, Inc
CUPRALUM: Lead-surfaced copper—Knapp Mills Inc
CUPRONAR: Welding wire—Arcos Corp
CURRENTROL: Remote current control—Lincoln Elec Co
CURVACORE: Transformers—Allis-Chalmers Mfg Co
CUSTOM-LINE: Instruments—Bailey Meter Co
CUTNO: Self-lubricating packing—Greene, Tweed & Co
CUT-O-MATIC: Flame cutters—National Cylinder Gas Div
CYCLATOR: Clarification plants—Infilco Inc
CYCLONAIRE: Fume scrubbers—United States Stoneware Co
CYCLONE: Light to pilot capacity batch centrifuges—Sharples Corp, Fletcher Div
CYCLO-TRELL: Dust collectors—Research-Cottrell, Inc
CYLPEBS: Grinding media—F L Smidth & Co
CYLINDA-PAK: Wire-bound pallet box—General Box Co

D

D & DE: Bearings, roller—Link-Belt Co
DS: Take-ups, elevators, conveyors—Link-Belt Co
DACOR: Activated carbon filter—**Barnebey-Cheney Co**
DALLETT: Pneumatic accessories—Cleco Air Tools Div
DAM-TITE: Coatings, protective—Speco, Inc
DARCOVA: Pumcups—Darling Valve & Mfg Co
DART: Cleaners' truck—Paul O Young Co

DATA-GAGE: Products—Texas Instruments

DATAGRAPH: Direct writing oscillographs—Consolidated Electrodynamics Corp

DATARITE: Direct writing oscillographs—Consolidated Electrodynamics Corp

DATATPE: Recorders, tape, magnetic—Consolidated Electrodynamics Corp

DAYSOLVER: Products—J H Day Co

DICENTEGRATOR: Crushers—Simplicity Engrg Co

DECATRON: Cathode counting tube—Baird-Atomic, Inc

DEEP-BEADED: Products—Link-Belt Co

DEEP-FAN: Conveyors, apron—Link-Belt Co

DEHYDRO-MAT: Products—Edw Renneburg & Sons Co

DEKORON-COATED: Plastic armored EMT & rigid conduit—Republic Steel Corp, Steel & Tubes Div

DELPARK: Gravity & vacuum filters—Commerical Filters Corp

DELTA BLU-BLAZE: Products—Delta Tank Mfg Co

DELTA C: Capacitance measuring apparatus—General Controls Co

DELTA DRYEX UNIT: Recovery units—Delta Tank Mfg Co

DELTA FLO: Products—Trane Co

DELTA MIX-O-GAS: LP-gas tanks—Delta Tank Mfg Co

DELTA-CATOR: Indicator for high pressure systems—Dynamic Filters Inc

DELTA DYNE: Pressure & differential pressure switches—Pall Corp

DELTA—MATIC: Life-indicating filter for hydraulic mfg systems—Dynamic Filters Inc

DEMI: Packless valves—George W Dahl Co

DENSITROL: Liquid density controls—Precision Thermometer & Instrument Co

DEODORITE: Activated carbon—Barnebey-Cheney Co

DERNGOOD: Milking mach rubber parts; Wooden sole clogs, sandals—M L Snyder & Son

DESICOOLER: Desiccators—Fisher Scientific Co

DESIGUARD: Desiccator shields—Fisher Scientific Co

DESIPLATE: Desiccator plates—Fisher Scientific Co

DESOMATIC: Atmospheric air dehydrators—Desomatic Products Div, Atlantic Research Corp

D'ESTE: Valves, regulators—Kaye & MacDonald

DETECT-A-FIRE: Products—Fenwal Inc

DETREX: Cleaners, metal; Degreasers—Detrex Chem Industries

DETROITER: Products—Detroit Hoist & Mach Co

DEVELOCORDER: Self-processing oscillograph & spectrum analyzer—Geotechnical Corp

DIABSESTOS: Diatomite filteraids—Great Lakes Carbon Corp, Dicalite Dept

DIAFLOTE: Diaphragm method of storing volatile liquids—Pittsburgh-Des Moines Steel Co

DIAL-A-FLO: Gas valve—General Controls Co

DIALIFT: Diaphragm method of storing volatile liquids—Pittsburgh-Des Moines Steel Co

DIAMOND D: Clutches, friction—Dodge Mfg Corp

DIATRON: Mass spectrometer source—Consolidated Electrodynamics Corp

DIDYMIUM NOVIWELDS: Welding plate & lens—American Optical Co

DIE-CROWN: Welded steel conveyor pulleys—Link-Belt Co

DIGIDIAL: Digital turns—Beckman Instruments, Helipot Div

DIMETCOTE: Coatings, protective—Amercoat Corp

DIRT-TERGENT: Special cleaning agent—Gray Co

DISPERSIMAX: Agitator—Autoclave Engrs

DISPERSION: Double arm mixer—J H Day Co

DOCK: Carriers—Link-Belt Co

DORRCLONE: Liquid cyclones—Dorr-Oliver Inc

DOUBLE ARROW: Products—Link-Belt Co

DOUBLE-DEK: Floating roofs—General American Transportation Corp

DOUBLE-DUTY: Wheels, sprockets—Link-Belt Co

DOUBLE-FLOW: Cooling tower—Marley Co

DOUBLE-FLOW AQUATOWERS: Cooling towers—Marley Co

DOUBLE PITCH: Chains, roller—Link-Belt Co

DOUBLENGTH: Vitrified clay pipe—Evans Pipe Co

DOUBLE-SEAL: Ball valves—Jamesbury Corp

DOUBLETON: Multistage pumps—Allis-Chalmers Mfg Co

DRAGPEB: Pulverizer linings—F L Smidth & Co

DRAIN-DRI: Bilge pump—Yeomans Bros Co

DRAINTROL: Thermodynamic trap—Fred H Schaub Engrg Co

DRAVER: Proportioning feeders—B F Gump Co

DRAVER-MASTER: Continuous mixing systems—B F Gump Co

DRAW BENCH: Chains—Link-Belt Co

DREDNAUT: Products—American Optical Co

DRUM EZ-UP: Products—Hodgson Engrg & Mfg Co

DRUMASTER: Open head drum handler—Little Giant Products, Inc

DRUMPAK: Corrugated containers—Gaylord Container Div

DRUMPAKET: Corrugated containers—Gaylord Container Div

DRUMTITE: Metallic binders for vibrating screens—Multi-Metal Wire Cloth Co

DRY-EX: Chillers; Coolers, air & brine—Acme Industries

DRY-EYE: Moisture indicators—Ansul Chem Co

DRY-FLO: Hopper cars—General American Transportation Corp

DRY-SEAL: Lifter roofs—General American Transportation Corp

DUAFUEL: Dual fuel engines—Nordberg Mfg Co

DUALAIRE: Dust collector—Western Precipitation Div

DUAL-FLOW: Water screens—Link-Belt Co

DUAL-HOSE: Welding hose—National Cylinder Gas Div

DUALINE: Lubrication systems—Farval Corp

DUB-L-PLUS: Dual connectors—Superior Elec Co

DUCLONE: Centrifugal dust collector—Ducon Co

DUCTILEND: Arc welding electrodes—Arcos Corp

DULO: Dryers, etc—Advance Industries

DUO-CHECK: Check valves—Mission Valve & Pump Co

DUODIAL: Turns—Beckman Instruments, Helipot Div

DUO EQUALIZING: Joints, expansion—Zallea Bros

DUO-MATIC: Regulators, temperature—Leslie Co

DUPLEX: Chain drives—Link-Belt Co

DUPLEX: Tubes—Bridgeport Brass Co

DURADIANT: Burners, gas—Selas Corp of America

DURAFIL: Liquid petroleum gas cylinders—Cylinders, Inc

DURAFLEX: Phosphor bronzes—Anaconda American Brass Co

DURA-GUARD: Protective hats & caps—American Optical Co

DURA HOOKS: Packing tools—Duratemallic Corp

DURALITE: Chippers goggle—American Optical Co

DUR-LOY: Free-bolting cloth—W S Tyler Co

DURA PLASTIC: Plastic packings—Duratemallic Corp

DURA-SAFE: Safety glasses—American Optical Co

DURA SEAL: Mechanical seals—Duratemallic Corp

DURASTAN: Wheels— Rapids-Standard Co

DURA TEMP: Heat fans—General Blower Co

DURAWELD: Welders' goggles—American Optical Co

DURCO: Products—Duriron Co

DURCON: Products—Duriron Co

DURICHLOR: Products —Duriron Co

DURIMET 20: Products—Duriron Co

DURIRON: Products—Duriron Co

DUROBAR: Products—Chain Belt Co

DUSTFUE: Products—Mine Safety Appliances

DUSTONATIC FILTER: Dust collectors & filters—Dracco Div

DUSTUBE: Products—Wheelabrater Corp

►**DUTCH BRAND:** Cements & tapes—JOHNS-MANVILLE

DUTY MASTER: A-C motor—Reliance Elec & Engrg Co

DYNA-CATH: Electrolytic analyzers—Eberbach Corp

DYNACURVE: Induced draft fan—Clarage Fan Co

DYNAFOIL: Products—Clarage Fan Co

DYNAGLUV: Plastic coated canton flannel—Granet Corp

DYNA-DAMP: Laminated panels & structures—Lord Mfg Co

DYNAMASTER: Self-balancing resistance bridge—Bristol Co

DYNA-OVEN: Products—L & L Mfg Co

DYNAPUMP: Seal-less pumps—Chempump Div, Fostoria Corp

DYNASHOCK: Elastomeric mountings—Lord Mfg Co

DYNA-TROL: Electric furnaces—L & L Mfg Co

DYNA-V: Products—Dodge Mfg Corp

E

800 CLASS: Chains—Link Belt Co

1100 CLASS: Chains—Link-Belt Co

E-D: Filter paper—Eaton-Dikeman Co

EG: Filling machines—FMC Packaging Machy Div

ES: Products—Eastern Stainless Steel Corp

ET: Circuit breakers—I-T-E Circuit Breakers Co

EWB: Special conveyors—E W Buschman Co

E-Z: Couplers, uncouplers—Link-Belt Co

EZ-UP: Drum carts & hangars—Hodgson Equipment Co

EAGLE: Self-priming centrifugals—Gorman-Rupp Co

EAR DEFENDERS: Products—Mine Safety Appliances

EASE: Electronic analog simulation (computer) equipment—Beckman Instruments, Berkeley Div

EASY-FLO: Alloys, silver blazing—Handy & Harman

ECKEY: Fractionator—Vulcan Mfg

ECON-O-LIFT: Gentle action pivoted bucket conveyor—Hapman Corp

ECON-O-MATIC: Motor bases—American Pulley Co

ECONO-MIZER: Cooling towers—Acme Industries

ECONOMY: Products—Brooklyn Blower & Pipe

►**ECONOMY:** Fibre drum—GREIF BROS COOPERAGE CORP

ECONOPAC: Treating plants—Infilco Inc

ECON-O-SCOPE: Telescope belt conveyor—Hapman Corp

ECONOSONIC: Industrial cleaning equipment—Detrex Chem Industries

ECON-O-VEYOR: Overhead trolley conveyor—Hapman Corp

EDT BAUER-DUPLEX: Net weighers—B F Gump Co

EIMCOBELT: Continuous belt drum filter—Eimco Corp

ELASTACAST: Molded or cast polyurethane—Acushnet Process Co

ELASTOFOAM: Polyurethane insulation—Electro-Chemical Engrg & Mfg Co

ELECTRACLOR: Chlorinator—Clayton Mark & Co

ELECTRIK-TEL-O-SET: Miniature electronic instruments—Minneapolis-Honeywell, Industrial Products

ELECTRI-CAND: Pumps—Allis-Chalmers Mfg Co

ELECTRICONTACT: Liquid meters—Buffalo Meter Co

ELECTRIFUGAL: Pumping units—Allis-Chalmers Mfg Co

ELECTRIVOLUME: Fluid control meters—Buffalo Meter Co

ELECTRO-CHEMOGRAPH: Polargraph—Leeds & Northrup Co

ELECTRO-COOLER: Cooling systems for transformers—Allis-Chalmers Mfg Co

ELECTROFLUID DRIVES: Products—Link-Belt Co

ELECTROMAX: Signaling controller—Leeds & Northrup Co

ELECTROMET: Alloys—Union Carbide Metals Co

ELECTRONIK: Electronic indicators, recorders, controllers—Minneapolis-Honeywell, Industrial Products

ELECTROPODE: Products—Fisher Scientific Co

ELECTRO-SHAVE: Clutch pulley package—Warner Elec Brake & Clutch Co

ELECTRO-SHEET: Copper foil—Anaconda American Brass Co

ELECTRO-VAPOR: Kettles—Buflovak Equipment Div

ELECTRUNITE: Welded steel tubing—Republic Steel Corp, Steel & Tubes Div

ELECTRUNITE ENDURO: Stainless steel tubing & pipe—Republic Steel Corp, Steel & Tubes Div

ELPAR: Industrial truck line—Elwell-Parker Elec Co

ELIPTEX: Screens—Hewitt-Robins Inc

EMPIRE: High duty firebrick—A P Green Fire Brick Co

ENAMELITE: Black enameled rigid steel conduit—Republic Steel Corp, Steel & Tubes Div

ENCO: Products—Engineer Co

ENDUR-ALL: Distribution transformers—Allis-Chalmers Mfg Co

EN-TRONIC: Automatic controls—Cooper-Bessemer Corp

EPA-SEAL: Epoxy insulation—Elliott Co, Div of Carrier Corp
EPPENBACH: Homogenizing equipment—Gifford-Wood Co
EPUT: Electronic digital meter—Beckman Instruments, Berkeley Div
EQUISEAL: Pump-stuffing boxes—Allis-Chalmers Mfg Co
ERP: Cathodic protection—Wallace & Tiernan Inc
EUREKA: Products—S Howes Co
EVA: Thermal imaging camera—Baird-Atomic, Inc
EVABRITE: Mirrors—Semon Bache & Co
EVACTOR: Ejectors, jet, steam—**Croll-Reynolds Co**
EVALAST: Mirrors—Semon Bache & Co
EVANITE: Plastic pipe & fittings—Evanite Plastic Co
EVAPOR-ION: Getter-ion pump—Consolidated Electrodynamics Corp
EVENTEMP: Temperature regulators—Leslie Co
EVERDUR: Products—Anaconda American Brass Co
EVERLASTING: Hose, belting—Mercer Rubber Co
EVERSEAL: Floating roof seal—General American Transportation Corp
EVERSEAL: Insulation—U S Elec Motors Inc
EVRTYTE: Blowdown valves—Strong Div
EWART: Chains, detachable—Link-Belt Co
EXACTOL: Tube bender—Parker Fittings & Hose Div
EXCELO: Elevator belt—Republic Rubber Div
EXCELON: Vinyl floor tiles—Armstrong Cork Co, Floor Div
EXEL: Loading reactors—Superior Elec Co
EXPELSOR: Pneumatic ejectory—Yeomans Bros Co
EXPLOSIMETER: Products—Mine Safety Appliances
EXPRESS: Tape moisteners—Better Packages
EXTENDOVEYOR: Belt conveyor—Standard Conveyor Co
EXTRA-STRENGTH: Vitrified clay pipe—Robinson Clay Product Co
EYE SWEEP: Eye particle removers—General Scientific Equipment Co

F

500 CLASS: Chains—Link-Belt Co
400 CLASS: Chains—Link-Belt Co
4D: Electric trucks—Raymond Corp
4200: Diatomite filteraids—Great Lakes Carbon Corp, Dicalite Dept
F/A: Roofing—Armstrong Cork Co, Building Products Div
F/B-LINE: Instruments—Bailey Meter Co
FPC: Flexible pipe connectors—**Allied Metal Hose Co**
FR: Roller chain—Link-Belt Co
FABRILASTIC: Silicone-rubber motor insulation—Elliott Co
FABRISEAL: Standard Insulation—Elliott Co
FABRISTEEL: Construction, design of large motors—Elliott Co
FACEWELD: Arc welding electrodes—Lincoln Elec Co
FAIRMOUNT: Anvil crushers—Allis-Chalmers Mfg Co
FALCON: Detectors, horns & alarms—Falcon Alarm Co
FALCON: Blenders, ribbon—Falcon Mfg Div, First Machy Corp
FAN-COOLED: Worm gear speed reducers—**Link-Belt Co**
FANMIX: Gas burners—Coppus Engrg Corp
FARVAL-TANWAY: Centralized lubricating system—Farval Div
FASTFLO: Filter papers—Carl Schleicher & Schuell Co
FAST'S: Couplings—Koppers Co, Metal Products Div
FAULTLESS: Conveyor belts—Link-Belt Co
FAVORITE: Wrenches—Greene, Tweed Co
FEATHER-TOUCH: Voltage regulator control—Allis-Chalmers Mfg Co
FEEDOWEIGHT: Gravimetric belt feeder—Merrick Scale Mfg Co
FEINC: Products—**Filtration Engrs**
FELTON: Microporous rubber—American Felt Co
FEON: Filter media—Filtration Fabrics Div
FERGS-VEYOR: Products—Harry Ferguson Co
FERROFILTER: Magnetic separators—S G Frantz Co
FERROJET: Powder cutting process & equipment—National Cylinder Gas Div
FERROLUM: Lead surfaced carbon steel—Knapp Mills Inc
FERRONICROLUM: Lead surfaced stainless-clad steel—Knapp Mills Inc
FERRO PAK: Paper anti-corrosive—Cromwell Paper Co
FERROWELD: Arc welding electrodes—Lincoln Elec Co
FERRULOK: Fittings, tubing—Parker Fittings & Hose Div
FERULUBE: Thread lubricant—Parker Fittings & Hose Div
FEUTRON: Synthetic fiber felts—American Felt Co
►**FIBRA-FLO:** Filter aids—**JOHNS-MANVILLE**
FILNIC: Products—Driver-Harris Co
FILTERWELD: Welding plate & lens—American Optical Co
FILTRAIRETTE: Dust & paint spray mask—General Scientific Equipment Co
FILTRATOR: Filter aids—**Fisher Scientific Co**
FILTROS 35: Porcelain diaphragms—Filtros, Inc
FIN FAN: Air-cooled heat exchangers—Griscom-Russell Co
FIRE-KING: Heat-resisting glass bowls—Anchor Hocking Glass Corp
FIRE-SAFE: Ball valves for use when fire safety is a factor—Jamesbury Corp
FISHER RECORDALL: Recorders—**Fisher Scientific Co**
FISHER-SNELLING HOT SPOTTER: Heaters—**Fisher Scientific Co**
FITS-ON: Protective glasses—American Optical Co
FIX-A-FLO: Flow Controllers—W A Kates Co
FLAME PULSE: Combustion controls—General Controls Co
FLASH-FLO: Plug for valve—General Control Co
FLAT TOP: Chains, conveyor—**Link-Belt Co**
FLEET-START: Aircraft starting unit—Lincoln Elec Co
FLEETWELD: Arc welding electrodes—Lincoln Elec Co
FLEETWELDER: Welding apparatus—Lincoln Elec Co
FLETCHER LABORATORY: High-speed lab centrifuges—Sharples Corp, Fletcher Div
FLETCHER-MATIC; SUSPENDED: Automatic centrifugal controls; Automatic suspended basket centrifuges—Sharples Corp, Fletcher Div
FLEXAFRAME: Frame supports—**Fischer Scientific Co**
FLEXBELT: Valve—Consolidated Controls Corp
FLEX-BLOCK: Self-aligning & lubricating sleeve valves—Link-Belt Co
FLEXBOLT: Elastomeric mountings—Lord Mfg Co
FLEXGATES: Steel gate valves—Crane Co
FLEXIBELT: Cloth belt discharge fixer—Komline-Sanderson Engrg Corp
FLEXIDYNE: Drives & couplings, fluid—Dodge Mfg Corp
FLEXI-FLIGHT: Conveyors—Infilco Inc
FLEXIFORMER: Transformers—Superior Elec Co
FLEXIPHRAGM: Packless valve for unfiltered service—G W Dahl, Inc
FLEXIPIPE: Nyprene ventilation tubing—**Bemis Bro Bag Co**
FLEXI-SPEED: Variable speed drives—**Reeves Pulley Co Div**
FLEXMOUNT: Conveyors, oscillating—**Link-Belt Co**
FLEXODISC: Expansion joints—Croll-Reynolds Engrg Co
FLEXOLEED: Expansion joint—Croll-Reynolds Engrg Co
FLEXOLITH: Filter media & diaphragms—Filtros, Inc
FLEXOVEYOR: Loaders & conveyors—Flexoveyor Mfg Co
FLEXPAK: Corrugated wrapping—Hinde & Dauch Div, W Va Pulp & Paper Co
FLEXROLL: Crushers—Jeffrey Mfg Co
►**FLEXSTONE:** Roofing—**JOHNS-MANVILLE**
FLEXTOOTH: Crushers—Jeffrey Mfg Co
FLEX VALVE: Flexible pinch-type valves—Farris Engrg Corp
FLICK: Separators, entrainment & centrifugal—Wurster & Sanger
FLINT-CAST: Castable refractory—Robinson Clay Product Co
FLINTEX: Fire brick—Robinson Clay Product Co
FLINT-PATCH: Plastic fire brick—Robinson Clay Product Co
FLINT-RIM: Wheels, sprocket—Link-Belt Co
FLITE-FLO: Conveyors—Link-Belt Co
FLITE-FLOW: Valves—Edward Valves, Inc
FLOATEX: Shakeouts—Hewitt-Robins Inc
FLOAT-SINK: Concentrators, coal ore—Link-Belt Co
FLOAT-TREAT: Sewage thickness—Chain Belt Co
FLO-CLEAR: Filters—Filtros, Inc
FLOCTROL: Products—Jeffrey Mfg Co
FLO-GARD: Electronic flow alarm—Brooks Instrument Co
FLO-KLEAN: Filters—Cuno Engrg Corp
FLO-KOLD: Refrigerating unit—Podbielniak, Inc
FLO-LINE: Valves, solenoid—Hanna Engrg Works
FLOMIX: Continuous flow pipe line mixing—Nettco Corp
FLOORCAST: Products—Babcock & Wilcox Co, Refractories Div
FLOORCRETE: Products—Babcock & Wilcox Co, Refractories Div
FLOORSTEEL: Products—Klempmetal Grating Corp
FLOORVEYOR; JR: Floor-veyor; Power conveyor—Rapids-Standard Co
FLO-PILOT: Pilot valves—Hanna Engrg Works
FLO-SCOPE: Indicators, flow rates, air, gas—Selas Corp of America
FLO-SET: Flow control valves—Hanna Engrg Works
FLOSITE: Sight glass with flapper—Podbielniak, Inc
FLOTOMETER: Variable area rotometer—Podbielniak, Inc
FLOTROL: Flow control valves—Galland-Henning Mfg Co
FLOVEYOR: Products—Brady Conveyors Corp
FLOW-COLD: Oil coolers; Refrigerating equipment—Acme Industries
FLOW-MIZER: Spray cooling towers—Acme Industries
FLOW-RACK: Storage racks—Rapids-Standard Co
FLOWRATOR: Flowmeter—Fischer & Porter Co
FLOW-TEMP: Air conditioning equipment—Acme Industries
FLOW-THERM: Water cooling equipment—Acme Industries
FLOW TRACK: Gravity conveyors—Rapids-Standard Co
FLUID DRIVES: Products—Link-Belt Co
FLUID-FLO: Bulk material dryer—Link-Belt Co
FLUID GEAR DRIVES: Products—Link-Belt Co
FLUIDOMETER: Flow control equipment meters—**Hetherington & Berner**
FLUOREX: Purifiers—Infilco Inc
FLUOROFLEX-T: Tetrafluoroethylene resin—Resistoflex Corp
FLUOROSTINT TFE: Moulded parts—Polymer Corp
FLUOSOLIDS: Calciner—Dorr-Oliver Inc
FLUXO: Bag packers—F L Smidth & Co
FOAMGLASS: Cellular glass insulation—Pittsburgh Corning Corp
FOAM-ROOFS: Floating roofs—**Nierad Industries, Inc**
FOAMTHANE: Foamed polyurethane insulation—Pittsburgh Corning Corp
FOLAX: Grate cooler—F L Smidth & Co
FORDS: Feed processing equipment—Myers Sherman Co
FORDSMOBILE: Portable feed processor—Myers Sherman Co
FORMBRITE: Drawing brass—Anaconda American Brass Co
FORMULA CAPSULE: Potentiometric system for presetting up to 24 weights—Richardson Scale Co
FOUNDROMATIC: Shakeouts & core ovens—Allis-Chalmers Mfg Co
FRACTIONEER: Pilot-scale distillation—Podbielniak, Inc
FRAHM: Frequency meters; Tachometers—James G Biddle Co
FREE-VANE: Controllers—Bristol Co
FRIGID-COAT: Sub freezing maintenance coating—Wilbur & Williams Co, Inc
FROG-LEG: Windings, DC—Allis-Chalmers Mfg Co
FUELECTRIC: Fuel cells—Allis-Chalmers Mfg Co
FULFLO: Liquid & air filters—Commercial Filters Corp
►**FULLER-FLUID:** Conveyors—**FULLER CO**
►**FULLER-HUMBOLDT:** Preheater—**FULLER CO**
►**FULLER-KINYON:** Conveying systems—**FULLER CO**
FULL-FLOW: Engine jacket water coolers—Young Radiator Co
FULL-VIEW: Rotameters—Brooks Instrument Co
FULL VISION: Facepieces for gas masks—Acme Protection Equipment Co
FULTORK: Lab stirring motors—**Fisher Scientific Co**
FULTROMATIC: Products—Fulton-Sylphon Div
FURANS-CRETE: Castable fireclay—Kaiser Refractories & Chems Div
FYRE-FREE: Fire resistant clothing—American Optical Co
FYRE-FREEZ: Fire extinguishers—Walter Kidde & Co
FYRINDEX: Fire detectors—Kidde Ultrasonic & Detection Alarms
FYRESTAN: Thermocouple protection tube—Leeds & Northrup Co

G

G-FIN: Tubing—Griscom-Russell Co
G-23; 26: Insulating firebrick—A P Green Fire Brick Co
GE: Products—General Elec Co
GL: Chains—Link-Belt Co
GPBX: Piggyback freight cars—General American Transportation Corp
G-T RING: Molded packaging—Greene, Tweed & Co
GALVITE: Hot-dipped galvanized rigid steel conduits—Republic Steel Corp, Steel & Tubes Div
GAMAL: Products—**Fisher Scientific Co**
GARDSMAN: Controls, temperature—West Instrument Corp
GASARC: Arc welding equipment—National Cylinder Gas Div
GASCOPE; GASFOE: Products—Mine Safety Appliances
GASK-O-SEAL: Rubber gaskets—Parker-Hannafin Corp
GAS-TITE: Seating rings—National Cylinder Gas Div
GATX: Tank cars—General American Transportation Corp
GEARCHEM: Self-priming rotary gear pump—Eco Engrg Co
GEARED: Couplings, shaft—Link-Belt Co
GEAREDUCERS: Fan speed reducing equipment—Marley Co
GEAREX: Rotary type gear pump—Sier-Bath Gear & Pump Co, Inc
GEARMOTORS: Products—Link-Belt Co
GEAR-O-MAT: FHP gear drive—Zero-Max Co
GEARVAC: Gearvalve for metering viscous media—Eco Engrg Co
GEMCO: Spherical valves—General Machine Co of NJ
GEMCO ECONOMIZER: Conical blender—General Mach Co of NJ
GEMINOL: Products—Driver-Harris Co
GENERALIFT: Pallet boxes—General Box Co
GEOCOUSTIC: Cellular glass accoustical units—Pittsburgh Corning Corp
GEODETIC: Products—Willson Products Div
GER-PAK: Polyethylene sheeting & drum carton liners—Gering Plastics
GIANT: Gate valves—Wm Powell Co
GLOBESEAL: Products—Aeroquip Corp
GLO-GLOVS: Plastic work gloves—Granet Corp
GLUEMASTER: Products—Kenneth J Moore & Co
►GOETZE: Metallic gaskets—**JOHNS-MANVILLE**
GO GETTER: Trucks, Industrial—Revolvator Co
GOLD SEAL: Laboratory glassware—Clay-Adams
GONDOLA: Dumpers, car—Link-Belt Co
GRAB-IT: Rubber coated gloves—Edmont Inc
GRADIATION: High-thermal-head heating equipment—Selas Corp of America
GRADUMATIC: Humidifying systems—Parks-Cramer Co
GRADUVAC: Humidifying systems—Parks-Cramer Co
GRAIN: Car unloader—Link-Belt Co
GRAINVAYOR: Pneumatic grain conveyor—Myers Sherman Co
GRAM-ATIC: Balances—**Fisher Scientific Co**
GRANCO: Rotary meters & pumps—Buffalo Meter Co
GRANECON: Plastic coated jersey—Granet Corp
GRANETGRIP: Rubber coated canton flannel—Granet Corp
GRANFLEX: Plastic coated canton flannel—Granet Corp
GRAPHITON: Products—Carbone Corp
GRAPPLER: Plastic coated gloves—Edmont Inc
GRATE: Products—Eriez Mfg Co
GRATE-KILN: System for agglomeration of minerals—Allis-Chalmers Mfg Co
GRAVITAIN: Prousmetal filters—Pall Corp
GRAVITY: Spiral chutes—Standard Conveyor Co
GREENCAST GUN MIX: High strength castable—A P Green Fire Brick Co
GREEN STOP-OFF: Flow regulator, brazing alloys—Wall Colmonoy Corp
GREY-POCK: Materials, friction—Raybestos-Manhattan
GRID: Products—**D J Murray Mfg Co**
GRIDNIC: Products—Driver-Harris Co
GRIDUCATOR: Comminutors—Infilco Inc
GRIP-O-MATIC: Steel & fibre drum handler—Little Giant Products, Inc
GRIP-O-LIFT: Lift truck arms/forks—Little Giant Products, Inc
GRIZZLY-KING: Jaw crushers—Lippman Engrg Works
GUARDIAN: Gaskets—Garlock Packing Co
GUIDED PALLET: Products—Rapids-Standard Co
GUN-PAKT: Expansion joints—Yarnell-Waring Co
GUSHER 8356; 8357; 8381; 8382; 8384; 8393; 8415: Pumps—Ruthman Machy Co
GYRALOY: Screen cloth—Hewitt-Robins Inc
GYREX: Screens—Hewitt-Robins Inc
GYRO-CENTRIC: Screens—Patterson Foundry & Mach Co
GYRO-FLO: Compressor, portable—Ingersoll-Rand Co
GYROSET: Vibrating screens—Productive Equipment Corp
GYROSOLVER: Rotating shakers—**Fisher Scientific Co**
GYRO-WHIP: Sifters—Sprout, Waldron & Co

H

H: Chains, elevating, conveying—Link-Belt Co
H2O: Pumps, volume, controlled—Milton Roy Co
HC: Horizontal coolers—Young Radiator Co
H-D: Valves & valve operators—General Controls Co
H & D: Corrugated boxes—Hinde & Dauch Div, W Va Pulp & Paper Co
HS: Buckets, elevator—Link-Belt Co
"H" SERIES: Face shields—American Optical Co
HX: Hydraulic pressure exchange pump—Manton-Gaulin Mfg Co
HACKNEY: Products—Pressed Steel Tank Co
HAISS: Products—Pettibone Mulliken Corp
HALCO: Safety equipment—A E Halperin Co
HALO FACE SHIELD: Plastic face shield—United States Safety Service Co
HALUM: Coatings, protective—Speco, Inc
HAMILTON: Kettles—Brighton Corp
HAMMEL-DAHL: Valves—General Controls Co
HAMONDFLOTE: Plastic covers, volatile liquid storage tanks—Pittsburgh-Des Moines Steel Co
HANCOCK: Steel, bronze flow-control valves—Manning, Maxwell & Moore, Inc
HANDIBAND: Products—Dresser Mfg Div, Dresser Industries, Inc
HANDIBELT: Portable belt—Standard Conveyor Co
HANDIDRIVE: Roller & Belt conveyor units—Standard Conveyor Co
HANDIPILER: Portable belt conveyor—Standard Conveyor Co
HANDLEBAR: Unions—Clayton Mark & Co
HANDY ALUMIBRAZE: Brazing alloys—Handy & Harman
HANDY FLUX: Brazing fluxes—Handy & Harman
HANDY HI-TEMP: Brazing alloys—Handy & Harman
HANDY HI-TEMP FLUX: Brazing fluxes—Handy & Harman
HASCROME: Iron-base hard facing rods—Haynes Stellite Co
HASTELLOY: Corrosion-resistant nickel-base alloys—Haynes Stellite Co
HAY-ALIFT: Coated salt tablets—A E Halperin Co
HAWK: Self-priming centrifugals—Gorman-Rupp Co
HAYSTELLITE: Tungsten-carbide hard-facing products—Haynes Stellite Co
HEAR-GUARD: Ear inserts—American Optical Co
HEAT-KWIK: Combination traps—V D Anderson Co
HEAT-LES: Compressed air & gas dessicant dryers—Trinity Equipment Corp
HEAT PROVER: Gas analysis apparatus—Bailey Meter Co
HEAT-REM; H-170: Coatings, protective—Speco, Inc
HEAVY-MEDIA: Coal cleaning products—Link-Belt Co
HEDLINER: Plastic drum inserts—Hedwin Corp
HEILAND: Oscillographs—Minneapolis-Honeywell, Industrial Products
HEILEX: Plastic coating & lining—Heil Process Equipment Corp
HELI-CAL: High-temperature distillation—Podbielniak, Inc
HELICORDER: Direct-writing recorder for transients—Geotechnical Corp
HELICOID: Conveyors—Link-Belt Co
HELIDEL: Delay lines—Beckman Instruments, Helipot Div
HELIFLEX: Flexible metal hose & tubing—**Allied Metal Hose Co**
HELI-GRID: Fractionating column packing—Podbielniak, Inc
HELI-PAK: Fractionating column packing—Podbielniak, Inc
HELIPOT: Precision potentiometers—Beckman Instruments, Helipot Div
HELI-ROBOT: Low-temperature distillation—Podbielniak, Inc
HELITRIN: Products—Beckman Instruments, Helipot Div
HELSKOTE: Fireclay-graphite coating—Kaiser Refractories & Chems Div
HELSPOT LADLE WASH: Fireclay-graphite coating—Kaiser Refractories & Chems Div
HEMISPHEROID: Products—Chicago Bridge & Iron Co
HESS-BRIGHT: Products—SKF Industries
HEVI-DUTY: Corrugated boxes—Hinde & Dauche Div, W Va Pulp & Paper Co
HEWCRON: Fire hose—Hewitt-Robins Inc
HEWFLEX: Fire hose—Hewitt-Robins Inc
HEWLITE: Conveyor belting & hose—Hewitt-Robins Inc
HEWROLITE: Fire hose—Hewitt-Robins Inc
HEX-PRESS: Oil & gas burners—Todd Shipyards Corp
HEX-TEX: Double V-belt for rotating shafts—Allis-Chalmers Mfg Co
HEX-TOP: Cups, grease—Link-Belt Co
HEXTEEL: Products—Klemp Metal Grating Corp
HI-CONE: Aerator—Yeomans Bros Co
HIDEK: Floating roofs—General American Transportation Corp
HI-DENSITY: Feeders—Allis-Chalmers Mfg Co
HI-DUTY: Tube fittings—Imperial-Eastman Corp
HI-EF: Separators—V D Anderson Co
HI-FLO: Gas valve—General Controls Co
HI-G: Aircraft controls—General Controls Co
HI-G: Screens—Hewitt-Robins Inc
HIGH SPEED: Water spray systems—Automatic Sprinkler Corp of America
HI-TEMP: Limit controls—General Controls Co
HIGH VISIBILITY: Welding lens—Lincoln Elec Co
HILCO: Oil & liquid filters—Hilliard Corp
HILITE; HILPAK; HILTEX: Filter materials—Hilliard Corp
HI-LO: Adjustable dockboards—Kelley Co
HI-MAG: Basic brick—Kaiser Refractories & Chems Div
HI-POWR: Separators, magnetic—Eriez Mfg Co
HI-SEAL: Tube fittings—Imperial-Eastman Corp
HI-SPEED: Automatic self-unloading bodies—Baughman Mfg Co
HI-STRENGTH: Castable fireclay—Kaiser Refractories & Chems Div
HI-TEMP: Limit control—General Controls Co
HITENSO: Cadmium bronzes—Anaconda American Brass Co
HI-THRUPUT MIST ELIMINATORS: Wire mesh entrainment separator—Metal Textile Corp
HI-TURBIANT: Heater—Western Precipitation Div
HI-VI: Vibratory equipment, magnetic—Eriez Mfg Co
HOEPNER: Scales, automatic—Consolidated Packaging Machy Corp
HOLLOSHAFT: Pump motor—United States Elec Motors
HOLO-FLITE: Processor—Western Precipitaion Div
HOMO; HOMOCARB: Furnace—Leeds & Northrup Co
HOMOCORD: Belts, conveyor—Raybestos-Manhattan
HOMOFLEX: Hose, conveyor belts—Raybestos-Manhattan
HOMO-MIXER: High shear mixer—Gifford-Wood Co
HONAN CRANE: Filters & clarifiers—Commercial Filters Corp
HONEYCOMB: Disposable wound-fibre filter tubes—Commercial Filters Corp
HORTON;-CLAD;-SPHERE;-SPHEROID;-DOME: Products—Chicago Bridge & Iron Co
HOWELL-BUNGER: Valves, free discharge—Allis-Chalmers Mfg Co
HOZE-LOK: Reusable hose fittings—Parker Fittings & Hose Div
HUMIBLEND: Section for air conditioning unit—Clarage Fan Co
HUMI-I-DRI: Dehumidifiers—Speco, Inc
HUMIDOLAIN: Porous porcelain—Star Porcelain Co
HUM-MER: Electric screens—W S Tyler Co
HUMP: Furnaces—Leeds & Northrup Co
HURRICANE: Light to medium capacity batch centrifuges—Sharples Corp, Fletcher Div
HUSKIE: Industrial tractor—Mercury Mfg Co

HUSTLER: Two-wheel hand truck—Paul O Young Co
HYDRA-CLEAN: Power cleaning equipment—Gray Co
HYDRAMOTOR: Valve—General Controls Co
HYDRANOID: Gas valve—General Controls Co
HYDRA-RIDE: Hydraulic accumulators for lift trucks—Parker Hydraulics Div
HYDRASONIC: Industrial cleaning equipment—Detrex Chem Industries
HYDRA-SPRAY: Airless spraying system—Gray Co
HYDRATROL: Hydraulic remote control system—General Controls Co
HYDRAULIC LIFT: Products—Ballymore Co
HYDRELIEF: Pilot operated hydraulic relief valve—Parker Hydraulics Div
HYDREPAIR: Products—Dresser Mfg Div, Dresser Industries, Inc
HYDREX: Liquid screens—Hewitt-Robins Inc
HYDREX: Rotary type gear pump—Sier-Bath Gear & Pump Co, Inc
HYDRO: Unions—Clayton Mark & Co
HYDRO-BIN: Dehydrating ash storage bin—Allen-Sherman-Hoff Co
HYDROCONE: Crushers—Allis-Chalmers Mfg Co
HYDRODARCO: Purifier—Infilco Inc
HYDRO-FLO: Products—Bell & Gossett Co
HYDROJET: Hydraulic materials handling systems—Allen-Sherman-Hoff Co
HYDRO-KLOSER: Hydraulic closing mechanism—T Shriver & Co
HYDROPURE: Catalytic gas purifying devices—National Cylinder Gas Div
HYDROSET: Crusher mechanism—Allis-Chalmers Mfg Co
HYDRO-SHEAVE: Fluid coupling—Twin Disc Clutch Co
HYDROVAC: Pneumatic materials handling systems—Allen-Sherman-Hoff Co
HYDRO-WYND: Tensioning device—Twin Disc Clutch Co
HYER API: Chains, SS type—Link Belt Co
►**HYFLO:** Filter aids—**JOHNS-MANVILLE**
HYGE: Products—Consolidated Electrodynamics Corp
HYGROL: Air conditioning equipment—**Niagara Blower Co**
HYGROSTAT: Humidity regulator—Parks-Cramer Co
HYPER-CAL: High-temperature distillation—Podbielniak, Inc
HY-POT: Turntable conveyor—Allied Steel & Conveyors Div
HYPRESEAL: Lubricated plug valves—Rockwell Mfg Co
HYPTOR: Joints, expansion—Zallea Bros
HY-R-SPEED: Dispersion mills—**J H Day Co**
HY-SOL: Insulation pipe & tubing—Houghton Labs
HYTAC: Fluid power tachometer systems—Oilgear Co
HYTEMCO: Products—Driver-Harris Co
HYTORK: Synchronous motors—Allis-Chalmers Mfg Co
HYTRON: Thermoplastic hose—Imperial-Eastman Corp

I

I-P-E: Products—Industrial Process Engrs
I-R-C 20: Castable insulating aggregate—Kaiser Refractories & Chems Div
ICE CRUSHER SLINGERS: Products—Link-Belt Co
ICE SLINGERS: Top icing, cars, trucks—Link-Belt Co
IDEAL: Roller mills—B F Gump Co
IDEALARC: Welder—Lincoln Elec Co
ILLCOMATIC: Plastic valves & ion-exchange equipment—Illinois Water Treatment Co
ILLCO-WAY: Ion exchangers—Illinois Water Treatment Co
IMPERIAL: Double arm mixers—**J H Day Co**
IMPERVITE: Impervious graphite—Falls Industries, Inc
IMPINJO: Filters—Infilco Inc
IMPOLENE: Plastic tubing—Imperial-Eastman Corp
IMPULSE: Steam traps—Yarnall-Waring Co
INCH-MARKED: Electrical metallic tubing—Republic Steel Corp, Steel & Tubes Div
INCO: Products—International Nickel Co
INCO-WELD A: Welding electrodes—International Nickel Co
INDUBOND: Industrial linings—Chase Chem Corp
INDUCTOSYN: Products—Del Electronics Corp
INFRACORD: Infrared spectrophotometer—Perkin Elmer Corp
INFRA-REDIATOR: Heaters—**Fisher Scientific Co**
INFILCARB: Anthracite—Infilco Inc
IN LINE: Helical gear drives—Link-Belt Co.
INNERSHIELD: Welding apparatus—Lincoln Elec Co
INSLEAD: Shielding lead—Knapp Mills Inc
INSTANT ACTION: Cartridge filters—Culligan, Inc
INSTRUCTOLAB: Portable demonstration table—Laboratory Furniture Co
INSTRUMOUNT: Products—Eberbach Corp
INSTRU-NEEDLE: Instrumentation needle valve—Republic Mfg Co
INSULBOND: Industrial linings—Chase Chem Corp
INTALOX: Packing, saddle—United States Stoneware Co
►**INTERLOCKED:** Packing—**JOHNS-MANVILLE**
INTERNAL: Elevators, bucket—Link-Belt Co
INTERNATIONAL: Disk filters—Infilco Inc
INTERNATIONAL LA MONT: Watertube boilers—International Boiler Works Co
INTERWOVEN: Self-lubricating packing—Greene, Tweed & Co
INTRODYNE: Hardness testers—Advance Industries
INTRU-LOK: Instrumentation tube fittings—Parker Fittings & Hose Div
INVOLUTE: Spray nozzles—Yarnall-Waring Co
INVINCIBLE: Hose belting—Mercer Rubber Co
IONEXER: Demineralizers—Infilco Inc
IRENEW: Iron globe angle & check valves—Wm Powell Co
ISATRON: Mass spectrometer source—Consolidated Electrodynamics Corp
ISODYNAMIC: Lab magnetic separators for minerals—S G Frantz Co
ISOFORCE: Valve actuator—General Controls Co
ISOTEMP: Temperature controlling apparatus—**Fisher Scientific Co**
ISO-THERM: Hot water heating system—Schaub Engrg Co

J

JBAS: Treating plants—Infilco Inc
►**J-M:** Products—**JOHNS-MANVILLE**
JPS: Blocks, pillow, ball bearing—Link-Belt Co
J-W SNIFFER: Gas-analyzers—Johnson-Williams
JAGABI: Tachometers—James G Biddle Co
JAN-I-SAN: Collector cart—Paul O Young Co
JANITROL: Heating equipment—Surface Combustion Corp
JAY BEE: Extruded fireclay brick—Kaiser Refractories & Chems Div
JEEP: Fork truck—Mercury Mfg Co
JETFLEX: Hose & tubing of teflon—**Allied Metal Hose Co**
JET-HARD: Arc welding electrodes—Lincoln Elec Co
JET SELFEED: Dispensers—Infilco Inc
JET SIPHON: Fan inlet feature—Clarage Fan Co
JETSLINGER: Bulk materials—Link-Belt Co
JETWELD: Arc welding electrodes—Lincoln Elec Co
JIGGER: Products—Productive Equipment Corp
JONES: Power transmission equipment—Hewitt-Robins Inc
JOY MICRODYNE: Scrubber—Western Precipitation Div
JUMBO: Mixers & blenders—**J H Day Co**

K

K-DON: Products—I-T-E Circuit Breaker Co
K FELT: Sound & thermal insulation felt—American Felt Co
K FIN: Air & gas coolers—Griscom-Russell Co
K-LINE: Products—I-T-E Circuit Breaker Co
K-MASTER: Products—Kaye & MacDonald
KS-4: Gun applicable castable—A P Green Fire Brick Co
K-27 KOMPACT: Solenoid valves—General Controls Co
KX-99: Special super firebrick—A P Green Fire Brick Co
KADY MILL: Fluid dispersion mill—Kinetic Dispersion Corp
KADYZOLVER: Disk disperser—Kinetic Dispersion Corp
KAMLOK: Quick couplers—OPW-Jordan Corp
KANIGEN: Coatings—General American Transportation Corp
KAOCAST: Refactory concrete—Babock & Wilcox Co, Refractories Div
KAOCRETE: Concrete mix—Babcock & Wilcox Co, Refractories Div
KAOLITE: Concrete mix—Babcock & Wilcox Co, Refractories Div
KAOMUL: Products—Babcock & Wilcox Co, Refractories Div
KAOWOOL: Filamented clay—Babcock & Wilcox Co, Refractories Div
KARBATE: Products—National Carbon Co
KARBOMET: Products—Driver-Harris Co
KAR-FLO: Boxcar unloaders—Link-Belt Co
KARMA: Products—Driver-Harris Co
KARTVEYOR: Cart mover—Link-Belt Co
KASE-KEG: Hand truck—Fairbanks Co
KAST-O-LITE: Insulating castable—A P Green Fire Brick Co
KAST-SET: Hydraulic setting castable—A P Green Fire Brick Co
KATHABAR: Air conditioning & drying equipment—Surface Combustion Corp
►**KEARSARGE:** Packings, asbestos—**JOHNS-MANVILLE**
KELLEY: Vibrating screens—Productive Equipment Corp
KELLOGG: Silicon carbide shapes—Electro Refractories & Abrasives Corp
KEM-O-DRYER: Products—Detrex Chem Industries
KEMROCK: Table tops, laboratory—Kewaunee Mfg Co
KENDENT: Diamond cone penetrator—Torsion Balance Co
KENTRALL: Testors, combination, hardness—Torsion Balance Co
KENTRON: Testers, micro hardness—Torsion Balance Co
KEWANEE: Products—Walworth Co
KIDDE ATOM: Fire detectors—Kidde Ultrasonic & Detection Alarms
KIDDE-TEMP-O-LARM: Detectors—Kidde Ultrasonic & Detection Alarms
KING: Protective coatings—Wilbur & Williams Co, Inc
KING-GAGE: Products—King Engrg Co
KING-SIZE: Clay pipe—Logan Clay Products Co
KIRK: Key interlockers—I-T-E Circuit Breaker Co
KLEENSEAL: Grease guns—Lincoln Engrg Co
KLEERFLEX: Polyethlene bags, barrel drum liners—Packaging Products & Design Corp
KLERO: Self-lubricating packing—Greene, Tweed & Co
KLIKSWITCH: Enclosed switch—General Controls Co
KNEADERMASTER: Kneader type mixers—Patterson Foundry & Mach Co
KOMINUTER: Ball mills—F L Smidth & Co
KONTROL: Fire extinguishers—M L Snyder & Son
KOOL-VENT: Face shield—American Optical Co
KORDA: Products—Chicago Gasket Co
KREET: Castable fireclay—Kaiser Refractories & Chem Div

KRENE: Vinyl plastic sheeting—Union Carbide Plastics Co

KROMECAST: Refactory concrete—Babcock & Wilcox Co, Refractories Div

KROMITE: Concrete mix—Babcock & Wilcox Co, Refractories Div

KROMORE: Products—Driver-Harris Co

KRUZITE: 70% alumina firebrick—A P Green Fire Brick Co

KWIK-FLEX: Thermostatic traps—V D Anderson Co

KWIK-TITE: Tubing tools—Imperial-Eastman Corp

L

LA: Water treatment equipment—L A Water Conditioning

L-B: Products—Link-Belt Co

LK FIN: Tubing—Griscom-Russell Co

LPG: Valves—Wm Powell Co

LXS: Chains, steel—Link-Belt Co

LAB-CREST: Laboratory glassware—Fischer & Porter Co

LABMASTER: Lab service fixtures—Laboratory Furniture Co

LAB-STIR: Stirrers—Eberbach Corp

LAC-O-NU: Cleaners & sealers—Nu Steel Co

LAMILON: Plastic wheels—Fairbanks Co

LANCASTER: Products—Posey Iron Works

LASTIGLAS: Tank lining—Bishopric Products Co

LAVOLAIN: Semi-steatite—Star Porcelain Co

LEA BOY: Carboy—David M Lea Co, Inc

LEAF: Chains—Link-Belt Co

LEAK-TEC: Products—American Gas & Chems, Inc

LECO: Products—Laboratory Equipment Corp

LECOKOTE: Flame spray ceramic tubing—Laboratory Equipment Corp

LECTROSONIC: Products—Babcock & Wilcox Co, Tubular Products Div

LE-HI: Products—Hose Accessories Co

►**LEHIGH:** Fans & scrubbers—**FULLER CO**

LEONARD: Trash rack rakes—Allis-Chalmers Mfg Co

LESLIE HI FLO: Water temperature reducer—Leslie Co

LESLIE-LEVEL-MATIC: Floatless liquid level control—Leslie Co

LESLIE-LUBRISOFT: Valve packing—Leslie Co

LESLIE-SPIROFLEX: Reducing valve diaphragms—Leslie Co

LESLIE-SUPERTYFON: Air whistles—Leslie Co

LESLIE-TOPPER: Steam pressure reducer—Leslie Co

LESLIE-TYFON: Steam & air whistles—Leslie Co

LEVEL EYE: Indicators, liquid level—H A Phillips & Co

LEVELOMETER: Hydrostatic—type tank gage—Liquidometer Corp

LEVEL-TROL: Liquid level controller—Fisher Governor Co

LEY BUSHED: Chains—Link-Belt Co

LIGHTGUARD: Products—Exide Industrial Div

LIGHTNIN: Mixers & agitators—Mixing Equipment Co

LIGHTINING HIGH SPEED: Water spray systems—Automatic Sprinkler Corp of America

LIMBEROLLER: Conveyor idlers—Joy Mfg Co

LIMITSTAT: Over-temperature controller—Electric Hot-pack Co

LINCOLNDUCTOR: Welding apparatus—Lincoln Elec Co

LINCOLNWELD: Welding apparatus—Lincoln Elec Co

LINC-THAW: Pipe thawing control—Lincoln Elec Co

LINCWELDER: Welding apparatus—Lincoln Elec Co

LINEATROL: Linear actuators—Jordan Controls

LINKBELTWALK: Belt, moving sidewalks—Link-Belt Co

LION: Belts, conveyor—Link-Belt Co

LIPSEAL: Dynamic packings for pistons & glands—Hannifin Co

LIQUID: Screens, vibrating—Link-Belt Co

LIQUI-JECTOR: Separators, liquid gas—Selas Corp of America

LIRA: Products—Mine Safety Appliances

LITE-PANL: Plastic building panels—Butler Mfg Co

LITEWATE: Roller conveyor—Standard Conveyor Co

LITTLE GEM: Fittings—Aeroquip Corp

LITTLE GIANT: Double arm mixer—J H Day Co

LO-CA: Asbestos filter disks—Cellulo Co

LOCK-TYPE: Chains, roller, bushing—Link-Belt Co

LOCKWELD: Casters—Fairbanks Co

LODEK: Floating roofs—General American Transportation Corp

LO-ERODE: Castable fireclay—Kaiser Refractories & Chem Div

LOG-LUGGER: Chains—Link-Belt Co

LOHM: Products—Driver-Harris Co

►**LOK-RIM; FF:** Fibre drum—**GREIF BROS COOPERAGE CORP**

LOK-TITE: Reusable hose couplings—Lincoln Engrg Co

LOUISVILLE: Process equipment — General American Transportation Corp

LO VEYORS: Vibrating materials handling equipment —Ajax Flexible Coupling Co

LOW-HEAD: Vibrating screens & gyratory sifters—Allis-Chalmers Mfg Co

LUBRIVAL: Circulating oil system—Farval Corp

LUCERO: Products—Driver-Harris Co

LUMARD: Jars—Paul O Abe

M

M: Bearings, roller—Link-Belt Co

MB: Industrial wheels—Rapids-Standard Co

MC: Bulk material feeder—Link-Belt Co

MD-3: Power pressed fireclay brick—Kaiser Refractories & Chem Div

MDC 650-2; 700-1; 701-1; 720-1; 725-1; 725-2: Products—Mast Development Co

MIPCO: Products—Marine & Industrial Products Co

MPAC: Modular regulating units—Cutler-Hammer Inc

MPT: Magnetic positioner—Brooks Instrument Co

MR: Chains, roller—Link-Belt Co

M/R: Wax impregnated corrugated board—Hinde & Dauch Div, W Va Pulp & Paper Co

MWC: Monoweld radiator construction—Young Radiator Co

MACBETH: Glasses, gauge, flat—Corning Glass Works

MAC-IRON: Products—Mack Iron Works Co

MAGIC-GRIP: V-belt sheaves & bushings — Allis-Chalmers Mfg Co

MAGIC SEAL: Bags—Polyfab Co

MAGNA BOUND: Porcelain bushing cement—Allis-Chalmers Mfg Co

MAG/NA/LARB: Magnetic flow alarm—Brooks Instrument Co

MAG/NA/VUE: Indicating extension—Brooks Instrument Co

MAGNAMATION: Products, magnetic—Eriez Mfg Co

MAGNA-RAILS: Magnetic components for elevating — Eriez Mfg Co

MAGNA-ROLLS: Magnetic rolls—Eriez Mfg Co

MAGNASET: Precision thermoregulator — Precision Thermometer & Instrument Co

MAGNA-SPEED: Static power supply—Allis-Chalmers Mfg Co

MAGNE DASH: Magnetically agitated high pressure autoclave—Autoclave Engrs

MAGNE DRIVE: Rotary agitated high pressure autoclave—Autoclave Engrs

MAGNE DYNE: Hardness testers—Advance Industries

MAGNE GAGE: Coating thickness determinator—American Instrument Co

MAGNESAR: Wire welding—Arcos Corp

MAGNETIK: Null Indicators—Minneapolis-Honeywell, Industrial Products

MAGNI-GRAD: Balances & weights — Wm Ainsworth & Sons

MAGNO: Products—Driver-Harris Co

MAGNORITE: Fused magnesia refractories—Norton Co

MAGPNUTRAX: Transmitter—Brooks Instrument Co

MAGSWITCH: Switches—Micro Switch Div

MAHOGANY: Safety glasses—American Optical Co

MALGATE: Valves, gate, malleable iron—Wm Powell Co

MALRENEW: Globe & angle valves—Wm Powell Co

MALTESE: Mirrors & non-reflecting glass — Semon Bache & Co

MALTESE CROSS: Products—Hewitt-Robins Inc

MANCHEX: Products—Exide Industrial Div

MANGANEND: Arc welding electrodes—Arcos Corp

MANGANWELD: Arc welding electrodes—Lincoln Elec Co

MANGJET: Arc welding electrodes—Lincoln Elec Co

MANHATTAN: Linings, rubber—Raybestos-Manhattan

MANHATTAN: Self-lubricating packing—Greene, Tweed & Co

MANTALLOY: Crusher parts—Allis-Chalmers Mfg Co

MANUAL LINCOLNWELD: Welding apparatus — Lincoln Elec Co

MARION ELEVATOR: Elevating & conveying equipment —Rapids Machy Co

MARION: Products—Rapids Machy Co.

MARK: Unions—Clayton Mark & Co

MARKSMAN: Temperature recorders—West Instrument Corp

MASCOT: Analog-to-digital converter — Consolidated Electrodynamics Corp

MASS-FLO: Conveyors—Jeffrey Mfg Co

MASTERGAUGE: Gauges—Marsh Instrument Co

MASTERLINE: Chemical proportioning pump—Hills-McCanna Co

MASTER-MITE: Products—Marsh Instrument Co

MASTER PILOT: Valver, iror, gate—Wm Powell Co

MASTERS: Icers, car—Link-Belt Co

MASTER-TEST: Products—Marsh Instrument Co

MAX-FLEX: Fire hose—Hewitt-Robins Inc

MAXI-FLEX: Continuous horizontal centrifugal — Tolhurst Centrifugals Div

MAXIFLO: Filters—Ogden Filter Co

MAXI-STACK GRIPPER ARMS: Carton gripper arms—Little Giant Products, Inc

MAYFLEX: Fire hose—Hewitt-Robins Inc

McCAA: Products—Mine Safety Appliances

McCANNACORE: Glass core system—Hills-McCanna Co

McCANNAFLO: Ball type valve—Hills-McCanna Co

McCANNAMETER: Chemical proportioning pump—Hills-McCanna Co

McCANNASEAL: Ball type valve—Hills-McCanna Co

McCULLY: Gyrator crushers, elevators, & screens—Allis-Chalmers Mfg Co

►**MECHANOPRINT:** Mechanical weight recorder—**HOWE SCALE CO**

MEGGES: Electrical resistance testers—James G Biddle Co

MERCO: Centrifuges, pressure—Dorr-Oliver Inc

MERCURY: Electric counter—General Controls Co

MERCURY: Products—Pettibone Mulliken Corp

MERONE: Centrifuges, pressure—Dorr-Oliver Inc

MERRILL PROCESS: Heating systems, hot oil—Parks-Cramer Co

MERUN: Electric motors—Brook Motor Corp

MERSEMETRIC: Controlled volume pump—Milton Roy Co

METAMETER: Electric telemetering system—Bristol Co

METERMAX: Combustion control—Leeds & Northrup Co

METEX: Mist eliminator—Metal Textile Corp

METROTYPE: Information systems—Bailey Meter Co

MEXICAST: Castable fireclay—Kaiser Refractories & Chems Div

MEX-KO: Brick, refractory—A P Green Fire Brick Co

MICHIANA: Oil filters for diesel engines—Commercial Filters Corp

MICRETAIN: Air filter—Cambridge Filter Corp

MICROCARB: Furnace atmosphere control system — Leeds & Northrup Co

MICROFLO: Control valve—General Controls Co

MICRO-KLEAN: Filters—Cuno Engrg Corp

►**MICROLITE:** Glass fiber insulation — **JOHNS-MANVILLE**

MICRO-MAX: Products—Leeds & Northrup Co

MICROMESH: Ultra fine filter cloth—Multi-Metal Wire Cloth Co

MICRONIZER: Jet pulverizer—Sturtevant Mill Co

MICROSADIC: Analog-to-digital converter — Consolidated Electrodynamics Corp

MICRO-SCREEN: Filters—Cuno Engrg Corp

MICROSYN: Transducers—Minneapolis-Honeywell, Industrial Products
MICROPATH: Industrial bushing chain—Diamond Chain Co
MICROVAC: High vacuum pump—F J Stokes Corp
MICRO-WYND: Disposable filter cartridge—Cuno Engrg Corp
MIDAS: Non-ferrous sheet—Chase Brass & Copper Co
MIDGET: Self-priming centrifugals—Gorman-Rupp Co
MIDOHM: Products—Driver-Harris Co
MIJIT: Jars—Paul O Abbe
MIKRO-AIRLOCK: Products—Pulverizing Machy Div
MIKRO-ATOMIZER: Hammermills — Pulverizing Machy Div
MIKRO-BANTAM: Pulverizers—Pulverizing Machy Div
MIKRO-BUD: Pulverizer—Pulverizing Machy Div
MIKRO-COLLECTOR: Products—Pulverizing Machy Div
MIKRO-CRUSHER: Products—Pulverizing Machy Div
MIKROHM: Rheostats—Superior Elec Co
MIKRO-MULTI-D: Pulverizers—Pulverizing Machy Div
MIKRO-PULSAIRE: Collector, dust—Pulverizing Machy Div
MIKRO-PULVERIZER: Products—Pulverizing Machy Div
MILDISADIC: Analog-to-digital converter — Consolidated Electrodynamics Corp
MILL BEARING: Blocks, pillow—Link-Belt Co
MILL-CRETE: Castable fireclay—Kaiser Refractories & Chems Div
MILLIPORO: Filters—Barnstead Still & Sterilizer Co
MILROYAL: Products—Milton Roy Co
MINIAIR: Pumps, volume, control—Milton Roy Co
MINI-CAL: High-temperature distillation—Podbielniak, Inc
MINILAB: Rotary lab pump—Eco Engrg Co
MINI-LINE: Combustion controls—Bailey Meter Co
MINI-LO-TORQ: Miniature selector valve — Republic Mfg Co
MINIPUMP: Pumps, volume, control—Milton Roy Co
MIPCO: Products—Marine & Industrial Products Co
MIRACLE: Fire extinguishers—M L Snyder & Co
MIRACLE HAMMER: Crushers—Jeffrey Mfg Co
MIRACLE TAPE: Polyethylene pressure sensitive tape—Gering Plastics
MITCO: Steel flooring—Handrick Mfg Co
MITE: Pneumatic controls—George W Dahl Co
MIXCO: Fluid mixers—Mixing Equipment Co
MIXEND: Arc welding electrodes—Arcos Corp
MIZZOU: 60% alumina firebrick—A P Green Fire Brick Co
MOBILE: Lifts & platforms—Ballymore Co
MODEL STAR: Valves—Wm Powell Co
MODUFLEX: Turbine agitator drives—Chemineer, Inc
MODULEVEL: Electric modulating, boiler feed, water control system—Magnetrol, Inc
MOGUL: Double arm mixers—J H Day Co
MOGUL: Platform truck—Mercury Mfg Co
MONAR: Welding wire—Arcos Corp
MONARCH: Products—Hewitt-Robins Inc
MONITOR: Fire equipment—Ansul Chem Co
MONITOR: Automatic batch counter—General Controls Co
MONITOR: Products—Cleaver-Brooks Co
MONODECK: Floating covers—Infilco Inc
MONOPANL: Products—Butler Mfg Co
MONOTROL: Single control multiport valve—Graver Water Conditioning Co
MONOTUBE: Dryers; Coolers—Link-Belt Co
MORAN'S: Products—Greene, Tweed & Co
MO-REX: Power pressed fireclay brick—Kaiser Refractories & Chems Div
MOTOGEAR: Drives—Link-Belt Co
MOUAT: Steam specialties—C E Squires Co
MOYNO: Pumps—Robbins & Myers
MUDWONDER: Valves—Edward Valves Inc
MUFFIN: Tubeaxial fan—Rotron Mfg Co
MULCAST: Refractory concrete mix—Babcock & Wilcox Co, Refractories Div
MUL-KOTE: Mortar—Babcock & Wilcox Co, Refractories Div
MULRAM: Refractory mixture—Babcock & Wilcox Co, Refractories Div
MULSET: Mortar—Babcock & Wilcox Co, Refractories Div
MULSIFYRE: Fire protection systems—Grinnell Co
MULTI-BAG FILTER: Dust collectors & filters—Dracco Div
MULTIBRAID: Braided metallic filter cloth—Multi-Metal Wire Cloth Co
MULTICLONE: Dust collector—Western Precipitation Div
MULTICONE: Aerators—Infilco Inc
MULTIGUARD: Motors, AC—Lincoln Elec Co
MULTI-LOUVRE: Dryers; Coolers—Link-Belt Co
MULTIMEG: Demineralizers—L-A Water Conditioning Co
MULTIMET: Heat-resistant alloy—Haynes Stellite Co
MULTI-PLATE: Press plate—Multi-Metal Wire Cloth Co
MULTIPLE-UNIT: Heating units—Hevi-Duty Elec Co
MULTISCALER: Radioactivity counter — Baird-Atomic, Inc
MULTISOURCE UNIT: Excitation source unit—Applied Research Labs
MULTI-SPEED: Conveyor lubrication system—Stewart-Warner Corp, Alemite Div
MULTITHERM: Air conditioning unit—Clarage Fan Co
MULTI-TIER: Dryers—Link-Belt Co
MULTITUBE: Tubing, protected — Crescent Insulated Wire & Cable Co
MULTI-TWIST: Cabled wires for pulp & paper mills—Multi-Metal Wire Cloth Co
MULTIVAL: Lubricating system—Farval Corp
MURCO: Products—D J Murray Mfg Co
►**MUREX:** Electrodes—METAL & THERMIT CORP
MURPHY-CARDINAL: Heavy duty scales—Cardinal Scale Mfg Co

N

900 CLASS: Chains—Link-Belt Co
NCG: Industrial gases; Welding & cutting equipment—National Cylinder Gas Div
NCI: Products—Norwalk Co, Inc
NRM: Screens, vibrating, liquid—Link-Belt Co
NW: Noviweld—American Optical Co
NALGENE: Plastic lab apparatus—Nalge Co
NALGON: Vinyl plastic tubing—Nalge Co
NARCOIL: Diffusion pump oil—N R C Equipment Corp
NARESCOIL: Mechanical vacuum pump oil—N R C Equipment Corp
NAUTA: Mixers—Buflovak Equipment Div
NAVALOY: Babbitt metal—Chase Brass & Copper Co
NEOX: Neoprene coated gloves—Edmont Inc
NESSLERIMETER: Colorimeters—Fisher Scientific Co
NEUSOL: Feeders—Infilco Inc
NEVERSTOP: Carton filling & sealing machines—FMC Packaging Machy Div
NEWHOUSE: Reduction crushers—Allis-Chalmers Mfg Co
NEWMATIC: Air tools—Le Roi Div
NEVA-CLOG: Reinforced twilled dutchmetallic filter cloth—Multi-Metal Wire Cloth Co
NIAGARA: Liquid meters—Buffalo Meter Co, Inc
NIAGARA-AERO: Aftercoolers & heat exchangers—Niagara Blower Co
NIAGARA AEROPASS: Condensers—Niagara Blower Co
NIAGARA METERS: Products—Buffalo Meter Co
NIAGARA NO-FROST: Refrigerating equipment—Niagara Blower Co
NICHROME; V: Products—Driver-Harris Co
NICKELEND: Arc welding electrodes—Arcos Corp
NICKEND: Arc welding electrodes—Arcos Corp
NICLOY: Tubing & pipe—Babcock & Wilcox Co, Tubular Products Div
NICROBRAZ: Alloys, brazing—Wall Colmonoy Corp
NICROLUM: Lead surfaced stainless steel—Knapp Mill Inc
NICUAR: Welding wire—Arcos Corp
NICUEND: Arc welding electredes—Arcos Corp
NI-HARD: Castings—Engineering Castings, Inc
NIKE: Sealer—Better Packages
NILES H & B: Power pressed fireclay brick—Kaiser Refractories & Chem Div
NILES NO 1: Power pressed fireclay brick—Kaiser Refractories & Chem Div
NILVAR: Products—Driver-Harris Co
NIMBLE FINGERS: Industrial gloves—Pioneer Rubber Co
NI-RESIST: Castings—Engineering Castings, Inc
NIREX: Products—Driver-Harris Co
NI-ROD: Electrodes for metal arc welding—International Nickel Co
NOCORDAL: Impervious graphite products—Heil Process Equipment Corp
NO-CURL: Rubber flare spats & leggings—American Optical Co
NO-FLAME: Fire blanket—A E Halperin Co
NOFOME: Sanitary centrifugal pumps—Ladish Co, Tri-Clover Div
NOISE FOE: Products—Mine Safety Appliances
NO-LEAK: Conveyors, apron—Link-Belt Co
NOPAK-MATIC: Solenoid operated valves—Nopak Div, Galland-Henning Mfg Co
NON-CLOGGING: Nozzles, spray—Link-Belt Co
NON-SPATTER: Clear cover lens—Lincoln Elec Co
NOPAK: Cylinders & valves—Galland-Henning Mfg Co
NOPAK-MATIC: Pilot & solenoid operated valves—Galland-Henning Mfg Co
NORBIDE: Products—Norton Co
NORBLO: Products—Buell Engrg Co, Northern Blower Div
NORDSTROM: Lubricated plug valves—Rockwell Mfg Co
NORDYKE: Mill machy—Allis-Chalmers Mfg Co
NORELCO: Products—Philips Electronic Instruments
NOVIWELD: Welding plate & lens—American Optical Co
NOZLJECTOR: Continuous centrifuges—Sharples Corp
NOZ-L-MIX: Burners, submerged—Submerged Combustion
NU-BLAC: Grey electrical porcelain — Star Porcelain Co
NUCLEAN: Ultrasonic cleaning solvent—National Ultrasonic Corp
NULLMATIC: Instruments, Industrial—Moore Products Co
NYLAFLOW: Pressure tubing—Polymer Corp
NYFLEX: Gear type flexible coupling—Sier-Bath Gear & Pump Co, Inc
NYLO-SEAL: Tube fittings—Imperial-Eastman Corp
NYROGEN: Gas for powder cutting—National Cylinder Gas Div
NY-STEEL: Chains, nylon, flat-top roller—Link-Belt Co

O

1 SAVAGE: Fire brick—Robinson Clay Product Co
100: Grit finish—Eastern Stainless Steel Corp
ODIS: Heat exchangers, pressure vessels, tanks—Old Dominion Iron & Steel Corp
OHIO WOODLAND: Fire brick & clay—Robinson Clay Product Co
OHMAX: Products—Driver-Harris Co
OIL FOIL: Felt & rubber laminated seals—American Felt Co
OIL-MIST: Constant lubrication system—Stewart-Warner Corp, Alemite Div
OKAY: Leather belting—E F Houghton & Co
OLIVITE: Pumps, acid handling—Dorr-Oliver Inc
OLYMPIC: Products—Chase Brass & Copper Co
OMNICORDER: Miniature circular chart recorder—Thomas A Edison Industries
OMNIGUARD: Temperature monitor—Thomas A Edison Industries
OMNIKOTE: Clay-coated board—Olin Mathieson, Packaging Div

OPW KAMLOK: Pipe & hose couplings—Jordan Co
ORICLONE: Dust & fume scrubber—Ducon Co
OSCILLATING: Conveyors—Link-Belt Co
OSCILLOUVRE: Dryers; Dryer-coolers—Link-Belt Co
OXIDATOR: Process sedimentation equipment—Elmco Corp
OXYCAT: Controls, air pollution—Oxy-Catalyst, Inc
OXYCUTTEND: Metal cutting electrodes—Arcos Corp

P

PA: Oscillating conveyors—Link-Belt Co
PCRC: Products—Phys-Chem Research Corp
P I V: Variable speed drives—Link-Belt Co
PM: Screens—Link-Belt Co
PSS: Porous stainless steel—Pall Corp
PACEMAKERS: Industrial gloves—Pioneer Rubber Co
PACKER: Two-wheel hand truck—Paul O Young Co
PACKER: Tape & label moisteners—Better Packages
PACKEX: Products—Yeomans Bros Co
PACO: Products—Pacific Pumping Co
PAK: Castable fireclay—Kaiser Refractories & Chems Div
PAKICER: Ice maker—Vilter Mfg Co
PALCO: Self-lubricating packing—Greene, Tweed & Co
PALLET-TOP: Conveyors—Link-Belt Co
PALLSEAL: Composite teflon & viton A-Stainless Steel V-rings—Pall Corp
PALMETTO: Self-lubricating packing—Greene, Tweed & Co
PAMAR: Products—Hoke Inc
PANDUX: Thermometers—Pacific Transducer Corp
PANELCOIL: Heating & cooling panels—Dean Products Inc
PANLASTIC: Products—Butler Mfg Co
PANORAM: Plastic goggle—American Optical Co
PA OSCILLATING CONVEYORS: Products—Link-Belt Co
PARA-FLEX: Flexible couplings—Dodge Mfg Corp
PARAFLOW: Filter cartridge—American Felt Co
PARALINE: Motor bases—Allis-Chalmers Mfg Co
PARALLEL SHAFT: Drives, gear—Link-Belt Co
PARRAL PLASTIC: Bonding mortar—Robinson Clay Product Co
PATCHTITE: Plastic firebrick—Robinson Clay Product Co
PAY LOADER: Tractor shovels—Frank G Hough Co
PAY LOGGER: Tractors—Frank G Hough Co
PAY MOVER: Industrial tractors—Frank G Hough Co
PEAK-TEMP: High temperature heater—Cleaver Brooks Co
PECK: Carriers, bucket—Link-Belt Co
PELICAN: Self-priming centrifugals—Gorman-Rupp Co
PELRO: Self-lubricating packing—Greene, Tweed & Co
PENNENT: Oil pump—Wm Powell Co
PEP-UP: Salt tablets—United States Safety Service Co
PERFXRAY: Oil burner primary control sets—General Controls Co
PERMANENTE: Castable periclase—Kaiser Refractories & Chem Div
PERMIAHEAT: Baseboard convectors—Young Radiator Co
PERMACEL: Abrasives; Tapes; Degreasers—Permacel
PERMAS: Balance weights—**Fisher Scientific**
PETRO: Unions—Clayton Mark & Co
PETROL: Valves, gate—Wm Powell Co
PETROZON: Production extractor, petroleum—Podbielniak, Inc
PHENOLINE: Coating—Carboline Co
PHILADELPHIA: Material handling trucks—Paul O Young Co
PHOENIX: Products—Hoke Inc
PHOSNIC: Products—Chase Brass & Copper Co
PHOS-TRODE: Phosphor bronze welding electrodes—Ampco Metal
PIANO-HINGED: Conveyors, apron—Link-Belt Co
PIC: Counting instruments—General Controls Co
PILOT: Iron gate valves—Wm Powell Co
PINKIES: Plastic household glove—Dow Chem Co
PIPE-MATE: Stainless steel fittings—Tube Turns Div
PIPE-MATE: Ductile iron valves—Ohio Injector Co
PIPE-PAL: Ductile iron valves—Ohio Injector Co
PLAINLOCK: Pipe couplings—Victualic Co of America
PLANEWELD: Arc welding electrodes—Lincoln Elec Co
PLASTECHON: Universal tester—Plas-Tech Equipment Corp
PLASTI-DART: Falling dart impact testers—Plas-Tech Equipment Corp
PLASTIFAB: Plastic coated gloves—American Optical Co
PLASTITE: Coatings, protective—Wisconsin Protective Coating Co
PLAST-O-LINE: Thermoplastic tank lining—Hell Process Equipment Corp
PLASTOLITE: Hardened lenses—American Optical Co
PLAST-O-RENE: Cotton plastic coated gloves—M L Snyder & Son
PLEXICODER: Multiplexing unit—Consolidated Electrodynamics Corp
PLICAST: Castable refractories—Plibrico Co
PLUG-IN LIMIT: Switches—Micro Switch Div
PLUS TYPE: Steel chains—Link-Belt Co
PNEU-DRAULIC: Circuit breakers—Allis-Chalmers Mfg Co
PNEU-FLOW: Conveyors—Sprout, Waldron & Co
PNEUMADIESEL: Portable diesel engine driven compressor—Schramm, Inc
PNEUMAPOWER: Portable gas engine driven compressor—Schramm, Inc
PNEU-PAC: Conveyors—Sprout, Waldron & Co
PNEU-VAC: Conveyors—Sprout, Waldron & Co
POLAR CRANK: Drive—Milton Roy Co
POLYBLOC: Products—Carbone Corp
POLYCEL: Wooden tanks—Wendnagel & Co
POLYCLAD: Coating—Carboline Co
POLYFLEX: Plastic sheet—Plax Corp
POLY-FLO: Tube fittings—Imperial-Eastman Corp
POLY-LINE: Plastic hand line—Industrial Products Co
POLYMATE: Products—Better Containers Mfg Co
POLYMAX: Polyvinyl chloride filter cloth—**National Filter Media Corp**
POLYPENCO: Nylon industrial products—Polymer Corp
POLY-STANDARD: Polyethylene carboys—United Box & Lumber Co
POLY-X-CHANGERS: Non-ferrous & stainless steel fixed tube sheet & floating head exchangers—Buxton Mfg Co
PORO-KLEAN: Filters—Cuno Engrg Corp
POROX: Balls; Linings—Patterson Foundry & Mach Co
PORTAFLOW: Unloaders—Sprout, Waldron & Co
PORTA-TESTERS: Pneumatic portable test stand—Farris Engrg Corp
PORTAIR: Blowers—Coppus Engrg Corp
PORTER: Two-wheel hand truck—Paul O Young Co
POSI-DRIVE: Gear belts—Russell Mfg Co
POSITIVE SEAL: Transformer brushing—Allis-Chalmers Mfg Co
POS-O-GRIP: Overrunning clutch—Zero-Max Co
POTTERMETER: Turbine-type flowmeters for fluid, electrical signals—Potter Aeronautical Corp
POWER & FREE: Conveyors—Link-Belt Co
POWER CHIEF: Engines, gas, diesel—Nordberg Mfg Co
POWER-CLAD: Products—Exide Industrial Div
POWERCORD: Belt—Gates Rubber Co
POWER-CRATER: Engines—Allis-Chalmers Mfg Co
POWERFLO: Air-powered pumps—Gray Co
POWER-FLO: Filters—Detrex Chem Industries
POWER GRIP: Coupling—Consolidated Controls Corp
POWERSTAT: Transformers—Superior Elec Co
POWER-STIR: Stirrers—Eberbach Corp
POWRDRAULIC: Hydraulic cylinders—Hanna Engrg Works
POWRMATION: Air & hydraulic cylinders—Hanna Engrg Works
POWRWORKER: Powered hand truck—Clark Equipment Co, Industrial Truck Div
POXEAL: Motors with encapsulated starters—Allis-Chalmers Mfg Co
PRE-BILT: Conveyors, belt, sectional—Link-Belt Co
PRECISION CHARGE: Chargers, battery—Lincoln Elec Co
PRECISION STEEL: Chains, roller—Link-Belt Co
PRE-ENGINEERED: Chain drives, roller, silent—Link-Belt Co
PREE-HEET: Boiler feed water using live steam—Fred H Schaub Engrg Co
PRE-SELECTED: Drives, chain—Link-Belt Co
PRESS-LOCK: Screen cloth—W S Taylor Co
PRESS-TENDER: Cleated belt portable conveyor—E W Buschman Co
PRESSURE JOINT: Clay pipe joint—Logan Clay Products Co
PRESSURMATIC: Pressure loaded vent valves—Crosby Valve & Gage Co
PRESTEST: Self-testing indicating light—Cutler-Hammer Inc
PRESS VEYOR: Inclined belt conveyors—Rapids-Standard Co
PRINCETON: Fire hose—Hewitt-Robins Inc
PRINCETON: Hose belting—Mercer Rubber Co
PRINT-O-METER: Printing register—Neptune Meter Co
PROJECTOMATIC: Projection reading balances—Torsion Balance Co
PROMAL: Chains; Buckets; Castings—Link-Belt Co
PROPELLAIR: Fans & blowers—Robbins & Myers
PROPIMAX: Tubeaxial fan—Rotron Mfg Co
PROPO-MATIC: Temperature regulators—Leslie Co
PROTECTAVALVE: Nonfreezing valve guard—Acme Protection Equipment Co
PROTECTOSPRAY: Fire protection system—Grinnell Co
PROTECTOCOTE: Neoprene clothing & gloves—American Optical Co
PUL-LIFT: Ratchet hoist—Yale & Towne Mfg Co
PULVA-SIZER: Hammer mills—**Pulva Corp**
PULVERATOR: Hammer mills—Allis-Chalmers Mfg Co
PULVER-MILL: Products—Sturtevant Mill Co
PULVOCRON: Pulverizer—Strong-Scott Mfg Co
PUMP KING: Centrifugal pump—Ladish Co, Tri-Clover Div
PURAIR: Air purification by means of activated charcoal—**Barnebey-Cheney Co**
PUR-A-WELD: Welding gas mask—Acme Protection Equipment Co
PUROCAST: Castable high alumina—Kaiser Refractories & Chem Div
PUROTAB: Castable high alumina—Kaiser Refractories & Chem Div
PYCOPACK: Metal clad thermocouples—Pyrometer Co
PYGMY: Electrical connectors—Scintilla Div
PYRAMID: Molded packings—Greene, Tweed & Co
PYREX: Glassware—Corning Glass Works
PYRO: Pyrometers—Pyrometer Instrument Co
PYROCERAM: Tubing & rods—Corning Glass Works
PYROMARK: High-temperature paint—Tempil Corp
PYROMASTER: Potentiometers—Bristol Co
PYRO-SHIELD: Preformed polyester-glass insulation—Allis-Chalmers Mfg Co
PYROTRON: Industrial theremeters—Bailey Meter Co
PYTHON: Products—Granet Corp

Q

QUANTICHEM: Colormetric analyzers—Milton Roy Co
QUANTOGRAPH: 3-in-1 spectroanalyzer—Applied Research Labs
QUANTOMETER: Direct-reading spectrometer—Applied Research Labs
QUANTOVAC: Vacuum spectrometer—Applied Research Labs
QUANTROL: X-ray production spectrometer—Applied Research Labs
QUICK-CLEAN: Textile motors—Allis-Chalmers Mfg Co
QUICK-EEZ: Gravity wheel & roller conveyor—E W Buschman Co
QUICKLEEN: Filters—Ogden Filter Co
QUIK-CLAMP: Spray nozzle—Link-Belt Co
QUIK-KEG: Corrugated boxes—Hinde & Dauch Div, W Va Pulp & Paper Co
QUIK-LINK: Screw conveyor—Link-Belt Co
QUIK-TEMP: Heating systems—Fred H Schaub Engrg Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

R

RC: Couplings, shaft, flexible—Link-Belt Co

RC CLASS ROLLER: Chains—Link-Belt Co

RCR: Fractionator—Vulcan Mfg

R/M: Asbestos products—Raybestos-Manhattan

R & M: Products—Robbins & Myers

RSPIV: Variable speed drive—Link-Belt Co

RW-300: Digital control computer—TRW Computers Co

RADIOHM: Products—Driver-Harris Co

RADOX: Radio remote control trucks—Barrett-Cravens Co

RAILWARE: Arc welding electrodes—National Cylinder Gas Div

RAJAH: Power pressed fireclay brick—Kaiser Refractories & Chem Div

RANGER: Gas fork lift truck—Clark Equipment Co, Industrial Truck Div

RAPID LOCK: Conveyor accessories—Rapids-Standard Co

RAPID POWER BOOSTER: Portable inclined belt conveyors—Rapids-Standard Co

RAPID ROLLER: Gravity conveyor—Rapids-Standard Co

RAPID WHEEL: Gravity conveyor—Rapids-Standard Co

RAPISTAN: Casters—Rapids-Standard Co

RAPISTAN-KEYSTONE: Overhead conveyor—Rapids-Standard Co

RAPISTEEL: Framing metals & shelving—Rapids-Standard Co

RAYBESTOS: Materials, friction—Raybestos-Manhattan

RAYOTUBE: Heat radiation detector—Leeds & Northrup Co

RAY-O-VAC: Flashlights; Batteries—Ray-O-Vac Co

REACH FORK: Electric trucks—Raymond Corp

REACTIVATOR: Clarifier & softener—Graver Water Conditioning Co

READY: Valves, gate—Wm Powell Co

READY HEAT: Heating tape—Cox & Co

REALWEAR: Products—Warren Pumps

RECIPROTROL: Automatic valves—Galland-Henning Mfg Co

RED BALL: Hydraulic lubrication fittings—Stewart-Warner Corp, Alemite Div

RED DEVIL: Respirator dust filter—American Optical Co

RED GIANT: Trucks, hand lift—Revolvator Co

RED HEAD: Masking compounds—Blaco Mfg Co

RED-HED APT: Chains, field, SS type—Link-Belt Co

REDI-FAB: Conveyor belts—Barber-Greene Co

REDI-FLOW: Vibrating feeder—Barber-Greene Co

REDIFLUXED: Welding & brazing rod—National Cylinder Gas Div

REDI-SPRAY: Spraying unit for 1-5 gal pails—Gray Co

REDLER: Flexible conveyors—Stephens-Adamson Mfg Co

REED: Precision miniature bearings—SKF Industries, Inc

REEVELEC: Products—Reeve Electronics

REFLECTOSCOPE: Ultrasonic testing equipment—Sperry Products

►**REGEL:** Asphalt roofing & coating—**JOHNS-MANVILLE**

REGULEX: Exciter for DC machines—Allis-Chalmers Mfg Co

REGU/TRAN: Combination transformer & regulator—Allis-Chalmers Mfg Co

RELIANCE: Gas regulators—American Meter Co

RELIANCE V-S: Controls; Drives—Reliance Elec & Engrg Co

RELIEF: Fire hose—Republic Rubber Div

RESORB: Solvent recovery equipment—Barnebey-Cheney Co

REVIVIFIER: Sands, molding—Link-Belt Co

REVOLVATOR: Portable elevator—Revolvator Co

REVOLVING DISC; DRUM: Screens—Link-Belt Co

REX: Products—Chain Belt Co

RHEAX: Hydraulic classification & dewatering equipment—COMCO Corp

RHEEMCOTE: Drum decorating process—Rheem Mfg Co, Container Div

RIBBON HEAT: Heating tape—Cox & Co

RICHMOND: Sifters—Sprout, Waldron & Co

RIGHT-A-WEIGH: Balance, analytical—Wm Ainsworth & Sons

RIGICAST: Molded plastic—Heil Process Equipment Corp

RIGIDENE: Polyethylene products—Heil Process Equipment Corp

RIGIDON: Glass reinforced laminates—Heil Process Equipment Corp

RIGIMESH: Sintered woven wire mesh—Pall Corp

RIGIPRO: Polyethylene products—Heil Process Equipment Corp

RIM-FLO: Sewage clarifiers—Chain Belt Co

RIM-LOK: Filter leaf—Multi-Metal Wire Cloth Co

RINGAUZE: Heating supports—Fisher Scientific Co

RING-JET: Valves, free discharge—Allis-Chalmers Mfg Co

RING-JET: Pumps, vacuum, oil vapor—F J Stokes Corp

RIPL-FLO: Vibrating screens—Allis-Chalmers Mfg Co

RIVETLESS: Chains—Link-Belt Co

ROASTENDER: Oven roasting control—General Controls Co

RO-BALL: Screens & sifters—J H Day Co

ROBINTRONIC: Level indicators—Hewitt-Robins Inc

ROBOTEL: Indicators—Infilco Inc

ROBOTROL: Automatic controls—Infilco Inc

ROCKING CONTACT: Generator voltage regulators—Allis-Chalmers Mfg Co

►**RO-CON:** Fibre drum—**GREIF BROS COOPERAGE CORP**

RO-FLO: Single-stage rotary air compressors—Allis-Chalmers Mfg Co

ROXIDE: Coatings—Norton Co

ROL-AIR: Tubing tools—Imperial-Eastman Corp

ROLL-OVER: Barrel & drum stand—Paul O Young Co

ROLLING-GRIP: Clutches, friction—Dodge Mfg Corp

ROLL-N-STOR: Hand lift trucks—Hamilton Caster & Mfg Co

ROLLOMOTOR: Rolling diaphragm air operators—RKL Controls, Inc

ROLL-OR-WHEEL: Portable roller & wheel conveyor; Live storage racks—E W Buschman Co

ROOF-TOP: Chains—Link-Belt Co

ROOMAIRE: Air conditioning units—Young Radiator Co

ROTA-CONE: Cone blenders; Vacuum dryers—Paul O Abbe

ROTADRILL: Rotary drill rigs—Schramm, Inc

ROTA-FILM: Products—Arthur F Smith, Inc

ROTA-GRATE: Rotating magnetic grate—Eriez Mfg Co

ROTA-GRATOR: Screen & comminutor—Infilco Inc

ROTAIRCOOL: Pellet mills—Sprout, Waldron & Co

ROTA-RAKE: Clarifier & sedimentation unit—Graver Water Conditioninng Co

RO-TAP: Testing sieve shaker—W S Tyler Co

ROTARY DRUM: Screens—Link-Belt Co

ROTATOOL: Accessory on "Rotadrill"—Schramm, Inc

ROTEX: Gyratory screeners; Surface contact coolers—Orville Simpson Co

ROTO: Cleaners, tube & air—Elliott Co, Roto Div

ROTO-BIN-DICATOR: Material level indicator—Bin-Dicator Co

ROTOBLAST: Airless blast cleaning equipment & steel shot & grit—Pangborn Corp

ROTOCYCLE: Liquid flow meters—Rockwell Mfg Co

ROTO-FIN: Cooler—Link-Belt Co

ROTO-GUARD: Shaft motion indicator—Bin-Dicator Co

ROTO-JET: Cleaners, tube & air—Elliott Co, Roto Div

ROTO-LOUVRE: Products—Link-Belt Co

ROTOMATIC: Bag packer & placer—Raymond Bag Corp

ROTOMOTOR: Motor & valve actuator—Conoflow Corp

ROTO-NODULIZERS: Fertilizer—Link-Belt Co

ROTOPUSH: Multiposition pushbutton—Cutler-Hammer Inc

ROTOR-LIFT: Elevators—Link-Belt Co

ROTOSCOOP: Dewaterers, sand—Link-Belt Co

ROTO-SHELF: Coolers—Buflovak Equipment Div

ROTO-SKIM: Products—Chain Belt Co

ROTOSWITCH: Rotary switches—Micro Switch Div

ROTO-VAK: Concentrators—Buflovak Equipment Div

ROTOVALVE: Valves, plugs—Allis-Chalmers Mfg Co

ROTREX: Rotary vacuum pumps—C H Wheeler Mfg Co

RO-TWIN: Two-stage rotary air compressors—Allis-Chalmers Mfg Co

ROUST-A-BOUT: Products—Victaulic Co of America

ROVALVE: Fabricated valves—W G Rovang & Assoc, Inc

ROVANA: Saran microtape—Dow Chem Co

►**ROYAL:** Plastic bottles—**CELANESE PLASTICS CO, DIV CELANESE CORP OF AMERICA**

ROYAL: High temperature bonding mortar—Robinson Clay Product Co

RUBBER-COAT: Corrosion proofing materials—Wilber & Williams Co

RUBBERCOAT: Liquid hypalon coatings—Wilbur & Williams Co

RUBBERDISC: Conveyor idler rolls—Hewitt-Robins Inc

RUBICON: Galvanometers, colorimeters—Minneapolis-Honeywell, Industrial Products

RUMACO: Pumps—Ruthman Machy Co

RUNWEL: Self-lubricating packing—Greene, Tweed & Co

RUPTAIR: Circuit breakers—Allis-Chalmers Mfg Co

RUPTOR: Arc interrupting devices—Allis-Chalmers Mfg Co

RUSCO: Conveyer & transmission belting—Russell Mfg Co

RUSTBOND: Coating—Carboline Co

RUSTREM: Coatings, protective—Speco, Inc

S

700 CLASS: Chains—Link-Belt Co

77 LINE: Lubricant pumps—Stewart-Warner Corp, Alemite Div

S: Bearings, roller, self-aligning—Link-Belt Co

SAP: Super armorplate—American Optical Co

SC: Ball bearing—Dodge Mfg Corp

SC: Collectors, sludge—Link-Belt Co

SCM: Ball bearings—Dodge Mfg Corp

SD: Chains, drag—Link-Belt Co

SG: Geared couplings—Link-Belt Co

SK-7: Gun applicable castable—A P Green Fire Brick Co

SKF: Ball & rollers bearings; Pillow blocks—SKF Industries

SLP: Ball bearings—Dodge Mfg Corp

SM: Chains, combination—Link-Belt Co

SS: Chains, steel—Link-Belt Co

SS HYPER API: Chains, oil field—Link-Belt Co

SS PLUS: Chains—Link-Belt Co

S RED-HED API: Chains, oil fields—Link-Belt Co

SAF-CO-METER: Carbon monoxide indicator—United States Safety Service Co

SAFEMASTER: Safety glasses—American Optical Co

SAFE 'N EASY: Hood baffle remote control—Laboratory Furniture Co

SAFE-T-HEAD: Rivets: Bins; Chains—Link-Belt Co

SAFETICOTE: Protective hand cream—American Optical Co

SAFETYBREAKER: Circuit breakers—Cutler-Hammer Inc

SAFETY-CIRCLE: Motors—Allis-Chalmers Mfg Co

SAFETY-SEAL: Floating roof seal—General American Transportation Corp

SAFEWAY: Portable elevating trucks—American Pulley Co

SAF-HED-HAT: Fiberglass hard hats—United States Safety Service Co

SAF-I-CHEM: Goggles, chem—United States Safety Service Co

SAF-I-CUP: Goggles, welding—United States Safety Service Co

SAF-I-FLEX: Goggles, safety—United States Safety Service Co

SAF-I-LENS: Safety lenses—United States Safety Service Co

SAF-I-LENS CLEANER: Anti-fog lens cleaner—United States Safety Service Co

SAF-I-SHIELD: Goggles, safety—United States Safety Service Co

SAF-I-SPEC: Lightweight safety spec — United States Safety Service Co

SAF-I-SPECTACLE: Safety glasses—United States Safety Service Co

SAF-T-GLO: Blaze-orange impregnated fabric gloves—American Optical Co

SAF-T-SEAL: Pressure sealing gate valve—WKM Div

SA-FUSE: Motor control—Electric Machy Mfg Co

'SAIRSET: Mortars, high temperature—A P Green Fire Brick Co

SAKONITE: Castable fireclay—Kaiser Refractories & Chems Div

SALEM: Buckets, elevator—Link-Belt Co

SANIGLAS: Chippers' goggles—American Optical Co

SAUCER: Tubeaxial fan—Rotron Mfg Co

SAUNDERS: Diaphragm valves—Grinnell Co

SAWTOOTH: Lead anodes — Heil Process Equipment Corp

SCOOPMASTER: Cup-type thermometer — Weksler Instrument Corp

SCOOPULA: Spatulas—**Fisher Scientific Co**

SCREW: Conveyors—Link-Belt Co

SCREW KING: Speed reducer—American Pulley Co

SCREW-SEAL: Industrial pipe—Robinson Clay Product Co

SEAL-CLAD: Motors—Allis-Chalmers Mfg Co

SEALMASTER: Ball bearings—Stephens-Adamson Mfg Co

SEALSAVER: Molded packings—Greene, Tweed & Co

SEALTITE: Sealing equipment, bag, paper — Consolidated Packaging Machy Corp

SEATLESS: Blow-off valves—Yarnall-Waring Co

SEDIFLOTOR: Clarifiers—Infilco Inc

►**SEIGELITE:** Sheet & packing gasket—**JOHNS-MANVILLE**

SEKO: Products—Seederer Kohlbusch, Inc

SELECTOHEAT: Arc furnace tap-changing arrangement—Allis-Chalmers Mfg Co

SELECT-O-WEIGH: Proportioning systems—Richardson Scale Co

SELECTRO: Vibrating screens—Productive Equipment Corp

SELFWELD: Arc welding electrodes—Lincoln Elec Co

SEMI-CAL: High temperature distillation—Podbielniak, Inc

SENTRON: Automatic control—Johnson-March Corp

SENTRY EXTINGUISHER: Products—**Ansul Chem Co**

SEP-AERATOR: Sand, foundry—Link-Belt Co

SERVAL: Hose—Hewitt-Robins Inc

SERVICE: Belts, conveyor—Link-Belt Co

SERVICEMAN: Refrigeration test instruments—Marsh Instrument Co

SERVISEAL: Belt—Gates Rubber Co

SERVOCONTROL: Electrohydraulic devices—Oilgear Co

SHAFER: Bearings, roller—Chain Belt Co

SHAFT KING: Speed reducer—American Pulley Co

SHAFT-MOUNTED: Products—Link-Belt Co

SHAFTROL: Rotary actuators—Jordan Controls

SHALE SHAKERS: Reconditioners—Link-Belt Co

SHAW SAND: Classifiers—Link-Belt Co

SHEAR-SEAL: Hydraulic & pneumatic valves—Barksdale Valves

SHEER GRIP: Industrial gloves—Pioneer Rubber Co

SHELL MOLDING: Systems, foundries—Link-Belt Co

SHELTER-CLAD: Switchgear & control—Allis-Chalmers Mfg Co

SHIELD-ARC: Welding apparatus—Lincoln Elec Co

SHIPPER: Two-wheel hand truck—Paul O Young Co

SHOCK GARD: Products—Mine Safety Appliances

SHONE: Pneumatic ejectors—Yeomans Bros Co

SHOP MULE: Industrial tractors—Allis-Chalmers Mfg Co

SHO-RATE: Rotameter—Brooks Instrument Co

SHOT-PEENED: Chains, roller—Link-Belt Co

SIDE-FLO: Nonclog pulp mechanism—Allis-Chalmers Mfg Co

SIDEKAR-KARRIER: Carrier-conveyor—Link-Belt Co

►**SIE MARC:** Digital control and data handling system—**DRESSER ELECTRONICS**

SIGNAL: Oil cups—Wm Powell Co

SILCO-FLEX: Insulation system—Allis-Chalmers Mfg Co

SIL-FOS: Alloys, silver brazing—Handy & Harman

SILICOL: Silicone rubber—Colonial Rubber Co

SILNIC: Products—Chase Brass & Copper Co

SILENT: Drives, chain—Link-Belt Co

SILICLAD: Silicone concentrate—Clay-Adams

SILIMITE: Feedwater treatment—Allis-Chalmers Mfg Co

SIL-TRODE: Silicon-bronze welding electrode—Ampco Metal

SILVERBRITE: Shot peened rollers—Link-Belt Co

SILVER KING: Stroke counter—General Controls Co

SILVERSTREAK: Drives, chain—Link-Belt Co

SILVERSTREAM: Filters—Infilco Inc

SIMPLEX: Sealers—Better Packages

SIMPLEX: Piston fillers—F L Burt Co

SIZER: Crusher, coal—Link-Belt Co

SKID-GRIP: Anti-skid floor finishes—Wilber & Williams Co

SKIPMASTER: Skid-proof paper—Olin Mathieson Packaging Div

SKIP-PIPE: Drainage pipe—Robinson Clay Product Co

SKIPULTER: Shaker conveyor—F L Smidth & Co

SKULLGARD: Products—Mine Safety Appliances

SKYBLAST: Power roof ventilators—Robbins & Myers

SKYSCRAPER: Portable elevator—Revolvator Co

SLATS: Welded studs—Link-Belt Co

SLEEVOIL: Pillow block—Dodge Mfg Corp

SLIDING GATE: Regulators & control valves—OPW-Jordan

SLIMSITE: Sight glass with flapper—Podbielniak, Inc

SLIP-JOINT: Vitrified clay pipe—Robinson Clay Product Co

SLO-SPEED: Gear motors—Sterling Elec Motors

SLO-SYN: Motors—Superior Elec Co

SMOOTHTEX: Twilled dutch metallic filter cloth—Multi-Metal Wire Cloth Co

SNAP-COUPLER: Products—Allis-Chalmers Mfg Co

SNAP-JOINT: Pipe couplings—Victaulic Co of America

SNAP-TITE: Connect-disconnect couplings—Snap-Tite, Inc

SNORKEL: Plastic coated gloves—Edmont Inc

SNOPAN: Plates for cooling foods—Dean Products

SNYDER STANDARD: Waterproof clothing—M L Snyder & Son

SOD-R-BRAZE: Torches—National Cylinder Gas Div

SOFTWELD: Arc welding electrodes—Lincoln Elec Co

SONBLASTER: Products—Narda Ultrasonics Corp

SONICLEAN: Industrial cleaning equipment—Detrex Chem Industries

SONOGEN: Ultrasonic generators—Branson Instruments

SONORAY: Ultrasonic flaw detector—Branson Instruments

SPACEMAKER: Motor control—Allis-Chalmers Mfg Co

SOUND BARRIER: Products—Willson Products Div

SPECIMEN: Jar mills—**Paul O Abbe**

SPEC MASK: Gas mask with Rx lenses—Acme Protection Equipment Co

SPECTRANAL: Spectroscopes—**Fisher Scientific Co**

SPECTROMET: Spectrometer—Baird-Atomic, Inc

SPECTRON: Precision optics—Consolidated Electrodynamics Corp

SPECTROSADIC: Analog-to-digital converter—Consolidated Electrodynamics Corp

SPECTROSIL: Products—Thermal American Fused Quartz Co

SPECTROSOURCE: Power for spectrography—Baird-Atomic, Inc

SPEEDAIRE: Fan-cooled reduction units—Cleveland Worm & Gear Div

SPEED ALL: Tractor shovels—Pettibone-Mulliken Corp

SPEED-CORD: Belt—Gates Rubber Co

SPEEDEX: Filter aid—Great Lakes Carbon Corp, Dicalite Dept

SPEED-FLEX: Belt—Gates Rubber Co

SPEEDFLOW: Filter aid—Great Lakes Carbon Corp, Dicalite Dept

SPEEDLINE: Stainless steel fittings—Horace T Potts Co

SPEEDOMAX: Recorder & controller—Leeds & Northrup Co

SPEEDPLUS: Filter aid—Great Lakes Carbon Corp, Dicalite Dept

SPEED-SET: Controls for gyratory crushers—Allis-Chalmers Mfg Co

SPEED-TROL: Variable speed drives—Sterling Elec Motors

SPEEDY-SPREAD: Equipment for handling nitrogen solutions—General Metals, Inc

SPEEDYVAP: Beaker covers—**Fisher Scientific Co**

SPEE-GEE: Specific gravity indicator—Brooks Instrument Co

SPHER-ALIGN: Spherical roller bearing—Dodge Mfg Corp

SPHERICAL: Roller bearings—Link-Belt Co

SPHERICONE: Hot process softener tank—Graver Water Conditioning Co

SPIRAL: Heat exchanger—American Heat Reclaiming Co

SPIRATUBE: Wire, flexible—Flexible Tubing Corp

SPIRAXIAL: Axial flow compressors—Roots-Connersville Blower

SPIREX: Nozzle elements—National Cylinder Gas Div

►**SPIROTALLIC:** Gaskets, metallic—**JOHNS-MANVILLE**

SPLASHGON: Products—**Fisher Scientific Co**

SPRATOWER: Cooling towers—Marley Co

SPRAYWELDER: Spraying machines—Wall Colmonoy Corp

SPREADARC: Welding apparatus—Lincoln Elec Co

SPRING-FLO: Faucet aerator—Chase Brass & Copper Co

SPRINGTITE: Floating roof method of storing volatile liquids—Pittsburgh-Des Moines Steel Co

SQUARE-SIFTER: Sifting machines—Allis-Chalmers Mfg Co

SQUIRT WELDER: Welding apparatus—Lincoln Elec Co

STABILINE: Voltage regulators; Electrical automatic controls—Superior Elec Co

STABLE-ARC: Arc welding electrodes—Lincoln Elec Co

STAB-L-FLOW: Gas mixers, oxyacetylene equipment—National Cylinder Gas Div

STAINLEND: Arc welding electrodes—Arcos Corp

STAINWELD: Arc welding electrodes—Lincoln Elec Co

STAIRMASTER: Appliance trucks—Fairbanks Co

STA-KLEEN: Vibrating screens—Allis-Chalmers Mfg Co

STAMINITE: Acid-proof cement—Robinson Clay Product Co

STANDARD: Cork cushioned glass carboys—United Box & Lumber Co

STANFLEX: Industrial gloves—Pioneer Rubber Co

STANZOIL: Industrial gloves—Pioneer Rubber Co

STAR-TEX: Power pressed brick fireclay—Kaiser Refractories & Chems Div

STASET: Finger guards—American Optical Co

STATIFUGE: Centrifuge—Sharples Corp

STATROL: Magnetic amplifiers—Superior Elec Co

STAXRITE: Stackable resistors—Cutler-Hammer Inc

STAZON: Pigmented etched stem thermometers—Precision Thermometer & Instrument Co

STEELAB: Steel lab furniture—Laboratory Furniture Co

STEELBRAID: Pile driver hose—Republic Rubber Co

STEEL-CABLE: Belt—Gates Rubber Co

STEELFLEX: Couplings, shafts, flexible—Falk Corp

STEEL LEAF: Chains, balance—Link-Belt Co

STEEL LINK-BELT: Chains, detachable—Link-Belt Co

STEELWELD MACHINERY: Brakes, presses & shears—Cleveland Crane & Engrg Co

STEEMPAN: Heated pans—Dean Products

STELLAR: Filters—Infilco Inc

STEMPEL: Fire extinguishers—M L Snyder & Sons

STEP-VALVE: Liquid pump end—Milton Roy Co

STERILPAC: Aseptic filling in tin-lined drums—Rheem Mfg Co, Container Div

STERISEAL: Bottle capping machines—Anchor Hocking Glass Corp

STERLBESTOS: Compressed asbestos sheet packing—Sterling Packing & Gasket Co

STERLCUP: Molded synthetic cup—Sterling Packing & Gasket Co

STERLICONE: Multi-shielded motors—Sterling Elec Motors

STERL PAC: Fibre sheet packing—Sterling Packing & Gasket Co

STEVEDORE JR: Portable inclined belt—Rapids-Standard Co

STOKESWRAP: Pouch filling & sealing machines—FMC Packaging Machy Corp

STOR-N-DRY: Grain bins, forced air circulation—Butler Mfg Co

STRAIGHTLINE: Products—Link-Belt Co

STRAINRITE: Strainer core material—Star Porcelain Co

STREAMAIRE: Aircraft oil temperature regulators—Young Radiator Co

STREAMBARKER: Hydraulic log barkers—Allis-Chalmers Mfg Co

STREAMLINER: Conveyors—Harry J Ferguson Co

STRENES METAL: Chromium-molybdenum casting alloys—Advance Foundry Co

STRETCHRAP: Packaging equipment machines—FMC Packaging Machy Corp

STRETCHRITE: Burlap tubing, bags—Packaging Prod & Design Corp

STROBOTAC: Stroboscopic tachometer—General Radio Co

STULKOTE: Fireclay-graphite coating—Kaiser Refractories & Chem Div

STYL-O-MATIC: Products—Island Equipment Corp

STYL-O-VAC: Glass carton unloader—Island Equipment Corp

STYLUX: Products—Butler Mfg Co

SUBCOMCO: Submerged burners—Submerged Combustion

SUDSMASTER: Water treatment equipment—L-A Water Conditioning Co

SUMMIT: Copper asbestos gaskets—Akron Metallic Gasket Co

SUPAIRTHERMAL: Diesel engines—Nordberg Mfg Co

SUPER: Sifters—Sprout, Waldron & Co

SUPER-7: Multiple groove V-belts—Allis-Chalmers Mfg Co

SUPER ACE: Sifters—Sprout, Waldron & Co

SUPER ARMORPLATE: Hardened safety lens—American Optical Co

SUPER-AUTO-KLEAN: Filters—Cuno Engrg Corp

SUPERBLAST: Conveying fans—Boardman Co

SUPERCENTRIFUGE: High-speed centrifuges—Sharples Corp

SUPER CLASSIFIER: Classifiers—Sharples Corp

SUPER-D-CANTER: Continuous centrifuges—Sharples Corp

SUPER-D-HYDRATOR: Centrifugal filters—Sharples Corp

SUPERAID: Filter aid—Great Lakes Carbon Corp, Dicalite Dept

SUPER-CLEAR: Plastic & glass cleaning & anti-fog fluid—American Optical Co

SUPERCON: Products—Superior Elec Co

SUPERBLAST FANS: Fans, centrifugal—Boardman Co

SUPER CUTNO: Self-lubricating packing—Greene, Tweed & Co

SUPER DAMPCOAT: Damp surface coatings—Wilbur & Williams Co

SUPERDIAMOND: Products—Eastern Stainless Steel Corp

SUPER GEM: Fittings—Aeroquip Corp

SUPER GYRALOY: Screen cloth—Hewitt-Robins Inc

SUPER HUSKIE: Industrial tractor—Mercury Mfg Co

SUPER-HYPER API: Chains, oil field—Link-Belt Co

SUPERIOR: Gyratory & jaw crushers—Allis-Chalmers Mfg Co

SUPERIOR 5-WAY: Binding posts—Superior Elec Co

SUPERIOR McCULLY: Gyratory crushers—Allis-Chalmers Mfg Co

SUPERMAGNETS: Lifting magnets—Cutler-Hammer Inc

SUPERMAL: Chains—Jeffrey Mfg Co

SUPERSEAL: Metal-enclosed flexible valve—Farris Engrg Corp

SUPER SILVERTOP: Steam traps—V D Anderson Co

SUPER SPUN: Soil pipe—Combustion Engrg

SUPER STEEL: Boxes—Union Steel Chest Corp

SUPER-TEMP: Products—L & L Mfg Co

SUPER TOUGH: Products—Willson Products Div

SUPER-VISIBILITY: Arc welding lens—Lincoln Elec Co

SUPRAMESH: Wire mesh filter elements—Pall Corp

SUPREME: Crushers, pulverizers, de-lumpers—Franklin P Miller & Son

►**SUPREME:** Polyethylene pipe—**JOHNS-MANVILLE**

SUPROTEX; SUPROTEX-DELUGE: Sprinkler & fire alarm systems—Automatic Sprinkler Corp of America

SUREBRAZE: Brazing & welding alloys—Dalweld Co

SURE-GUARD: Safety products—American Optical Co

SUREWELD: Arc welding equipment—National Cylinder Gas Div

SURFACEWELD: Hardsurfacing powder—Lincoln Elec Co

SURFAMAX: Porous metal filters—Pall Corp

SURFLEX: Filters—Infilco Inc

SURGEPRUF: Hydraulic hose & couplings—Stewart-Warner Corp, Alemite Div

SUSAN DALE: Hair net safety visor—General Scientific Equipment Co

SWAGELOK: Tube fittings—Crawford Fitting Co

SWEAT-ON-PASTE: Hard surface paste metal—Wall Colmonoy Corp

SWECO: Products—Southwestern Engrg Co

SWING SLING: Products—Colorado Fuel & Iron Corp

SWITCH-CART 600: Automatic cart handling system—S I Handling Systems, Inc

SWIVELOADER: Car loaders—Stephens-Adamson Mfg Co

SYLPHON: Products—Fulton-Sylphon Div

SYMETRO: Speed reducer drives—F L Smidth & Co

SYMONS: Products—Nordberg Mfg Co

SYNCROGEAR: Gear motors—United States Elec Motors

SYNCHRO-LECTRIC: Indicating rotational viscometer—Brookfield Engrg Labs

SYNCROMATIC: Drive for vibrator screens—Link-Belt Co

SYNCHRO-OPERATOR: Automatic synchronizing devices—Allis-Chalmers Mfg Co

SYNCHROVERTER: Converters—Bristol Co

SYNDUCTION: Motors—Allis-Chalmers Mfg Co

SYSTE-MATIC: Products—Butler Mfg Co

SYSTEMATION: Automatic control & instrumentation—Allis-Chalmers Mfg Co

SYSTEM BOSS: Refrigeration drier—**Ansul Chem Co**

T

3-1-2: Rust inhibitor—Young Radiator Co

360: All-around clamp—Dresser Mfg Div, Dresser Industries, Inc

3-MARK: Brass rod—Chase Brass & Copper Co

T: Belt—Gates Rubber Co

T-FLO: Refrigeration drier—**Ansul Chem Co**

TG: Belt—Gates Rubber Co

TR: Belt—Gates Rubber Co

TS: Belt—Gates Rubber Co

TABLE-CABLE: Table high cable conveyor— E W Buschman Co

TABLETOP: Conveyor chains—Chain Belt Co

TANK-TYPE: Products—Link-Belt Co

TAPER LOCK: Bushings; Sprockets; Pulleys—Link-Belt Co

TAPER-LOCK: Couplings; Pulleys; Sheaves; Sprockets—Dodge Mfg Corp

TAPESHOOTER: Sealing machines—Better Packages

TECHALLOY: Products—Techalloy Co

TEKMOLD: Products—Bemis Bro Bag Co

TEKWIP: Proportioning pump—Clarkson Co

TELEMAND: Motor operating mechanism—I-T-E Circuit Breaker Co

TELLEVEL: Bin level indicators—Stephens-Adamson Mfg Co

TELNIC: Copper rods—Chase Brass & Copper Co

TEL-O-SET: Miniature pneumatic instrument—Minneapolis-Honeywell, Industrial Products

TEMCO: Products—Thermolyne Corp

TEMP-ALARM: Temperature indicating paint—Tempil Corp

TEMPALOY: Aluminum bronzes—Anaconda American Brass Co

TEMPCOMETER: Percentage timer input controller—Thermolyne Corp

TEMP-COP: Thermal switches—Micro Switch Div

TEMPERIM: Products—Chain Belt Co

TEMPILAQ: Temperature indicating coatings—Tempil Corp

TEMPIL PELLETS: Temperature indicating pellets—Tempil Corp

TEMPILSTIKS: Temperature indicating crayon—Tempil Corp

TEMPOTHERM: Electric clock thermostat—General Controls Co

TEMPROOF: All metal mountings—Lord Mfg Co

TEMP-R-TAPE: Teflon & fiberglass tapes—Connecticut Hard Rubber Co

TENSILEND: Arc welding electrodes—Arcos Corp

►**TERRAFLEX:** Flooring, vinyl—**JOHNS-MANVILLE**

TEXDRIVE: V-belt sheaves—Allis-Chalmers Mfg Co

TEXIRON: Cast iron sheaves—Allis-Chalmers Mfg Co

TEXLITE: Sheaves—Allis-Chalmers Mfg Co

TEX-LO: Power processed fireclay brick—Kaiser Refractories & Chems Div

TEXROPE: V-belt drive products—Allis-Chalmers Mfg Co

TEXSLIDE: Motor bases—Allis-Chalmers Mfg Co

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THERLO: Products—Driver-Harris Co

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THERMEK: Heat exchange surface—Heatron, Inc

THERMINDEX: Temperature sensitive, color changing paints—Tempil Corp

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THERMORAMA: Control system—General Controls Co

THERMORAMIC: Temperature control system—General Controls Co

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►**THERMOTAPE:** Pipe insulation—**JOHNS-MANVILLE**

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►**THERMOWRAP:** Pipe insulation—**JOHNS-MANVILLE**

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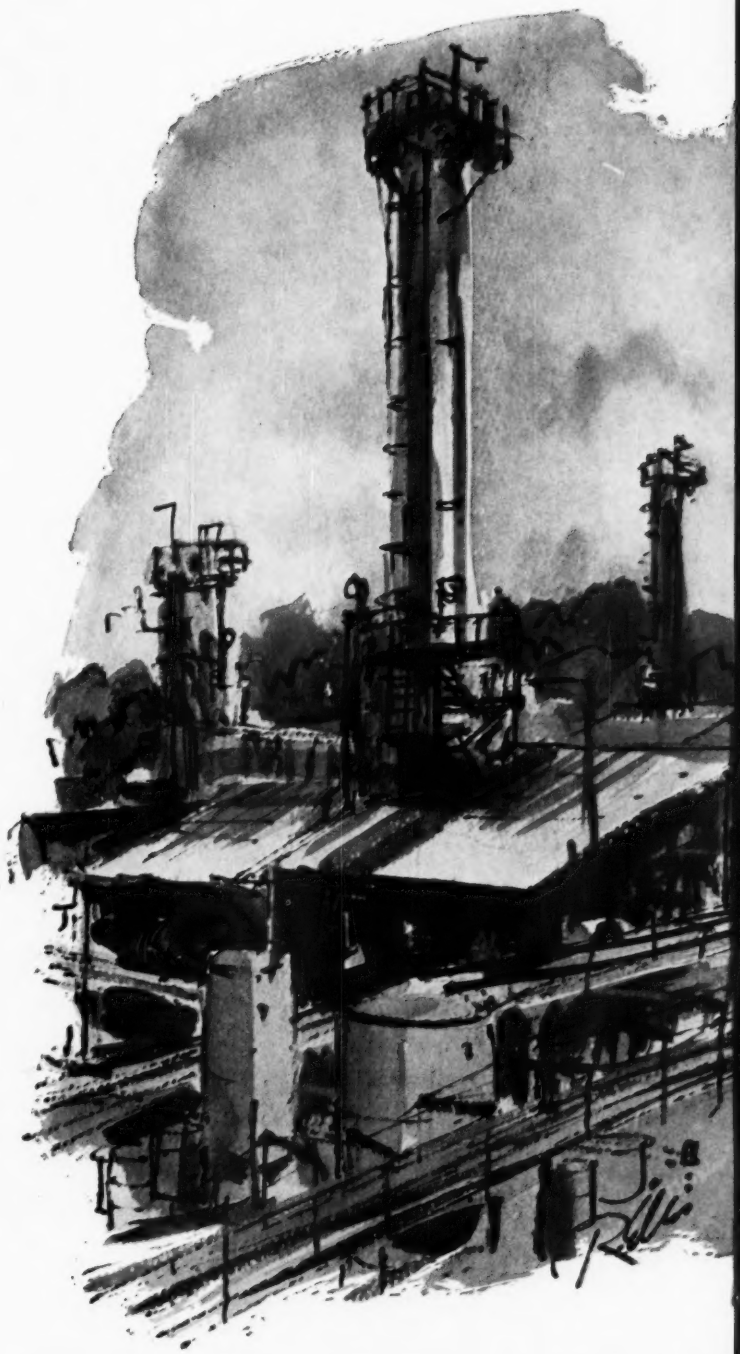
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Powder or Granules.

MONOPOTASSIUM PHOSPHATE (MKP), ANHYDROUS
Food and Commercial Grades.

MONOSODIUM PHOSPHATE (MSP), ANHYDROUS
Powder or Granules, Food and Commercial Grades.

PHOSPHATE SLAG

PHOSPHATIC FEED SOLUTION (P.F.S.)

PHOSPHATIC FERTILIZER SOLUTION

PHOSPHORIC ACID
75% and 80%, Food and Commercial Grades;
85%, National Formulary Grade.

PHOSPHORUS PENTASULFIDE. Flake.

POTASSIUM TRIPOLYPHOSPHATE (KTPP), ANHYDROUS
Powder.

SODIUM ACID PYROPHOSPHATE (SAPP), ANHYDROUS
Powder or Granules, Food, Doughnut, Refrigerator, Technical and Chemical Grades.

SODIUM TRIPOLYPHOSPHATE (STPP), ANHYDROUS
Powder or Granules, Food and Commercial Grades.

TETRAPOTASSIUM PYROPHOSPHATE (TKPP), ANHYDROUS
Powder or Granules.
Food and Commercial Grades.

TETRASODIUM PYROPHOSPHATE (TSPP), ANHYDROUS
Powder or Granules.

TETRASODIUM PYROPHOSPHATE CRYSTALS ($TSPP \cdot 10H_2O$)

TRIPOTASSIUM PHOSPHATE (TKP). Granules.

TRISODIUM PHOSPHATE (TSP), ANHYDROUS
Powder or Granules.

TRISODIUM PHOSPHATE MONOHYDRATE ($TSP \cdot H_2O$)
Granules.

TRISODIUM PHOSPHATE HEMIHYDRATE ($TSP \cdot \frac{1}{2}H_2O$)
Granules.

LEAVENING AGENTS AND BAKING POWDERS
Based on Sodium Acid Pyrophosphate.

CDB® CHLORINATED DRY BLEACHES

CDB-59; CDB-60; CDB-70; CDB-85
(Numerals indicate minimum available chlorine content)

BARIUM CHEMICALS

BARIUM CARBONATE • BARIUM MONOHYDRATE. Flake.
BARIUM PENTAHYDRATE. Flake.
BARIUM OCTAHYDRATE. Crystal or Flake.
BARIUM NITRATE • BARIUM OXIDE
BARIUM PEROXIDE • BARYTES, GROUND*
BLACK ASH (Barium Sulfide)*
BLANC FIXE (Barium Sulfate)

MAGNESIAS

ADSORPTIVE GRADES
Sea Sorb® 43, Powder; Sea Sorb® 53, Granules.
NEOPRENE GRADE. Seamag®
CHEMICAL GRADES. #2661, #2663, #2665.
OXYCHLORIDE CEMENT GRADES. #2664, #2667.
REFRACTORY GRADE. S-90 Periclase.

CATALYSTS
Catalyst 1707—Dehydrogenation Catalyst.
Periclase Supported Metallic Catalysts.

OTHER CHEMICALS

ANHYDRITE FILLER. Insecticide Carrier.
DOLOMITE* • ETHYLENE DIBROMIDE
GYPSUM—Cement*
Agricultural,* Chemical and Food Grades.
MAGNESIUM CHLORIDE*. Liquid or Flake.
SODIUM SULFIDE. 60-62% Flake or Solid Grades.
SODIUM POLYSULFIDE • SOILFUME® 85*
STRONTIUM HYDROXIDE. Octahydrate Crystal.
*West Coast delivery only

fmc
FOOD MACHINERY AND CHEMICAL CORPORATION®

Putting Ideas to Work

FOOD MACHINERY AND CHEMICAL CORPORATION